

Fig. 1

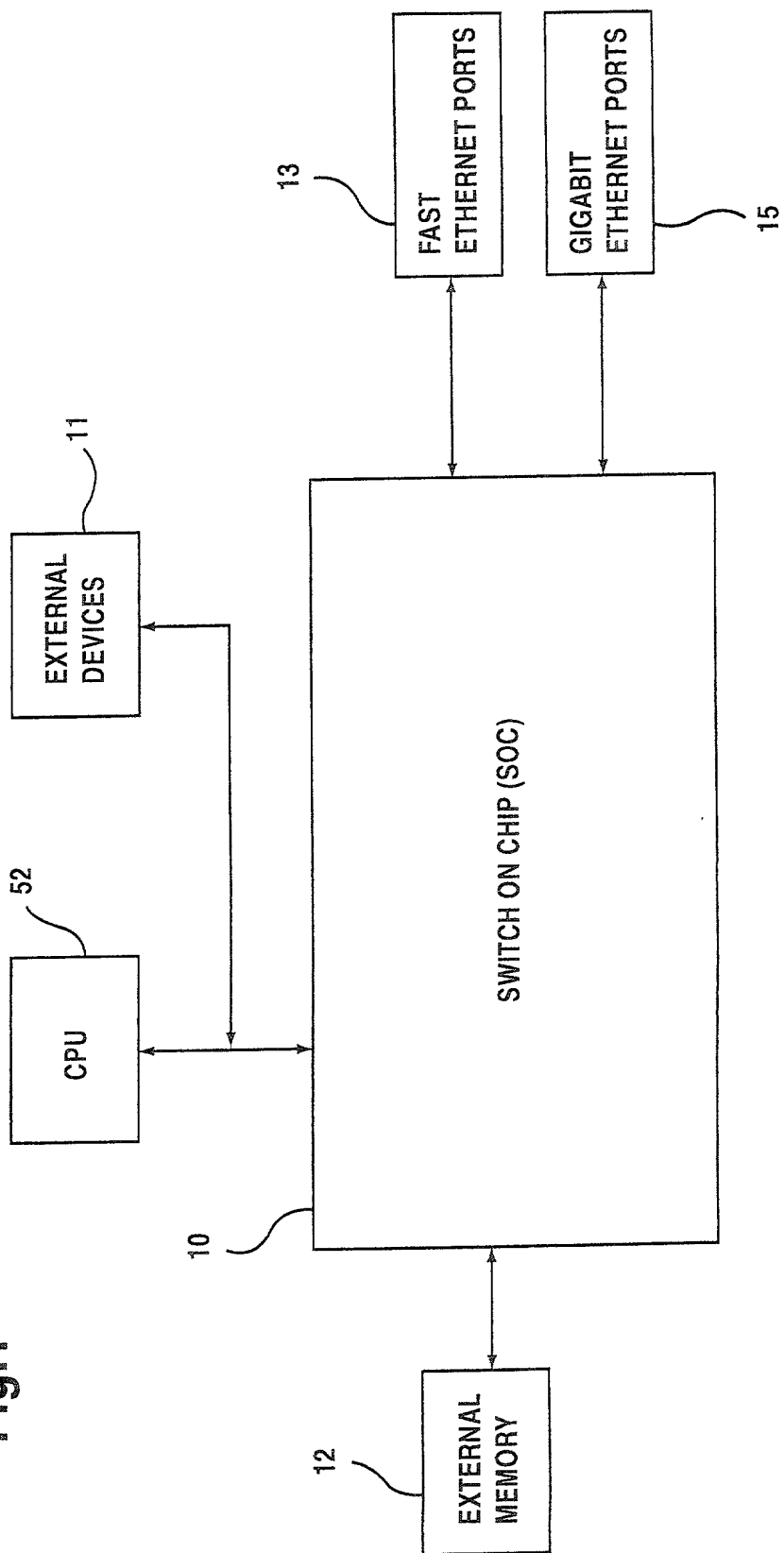
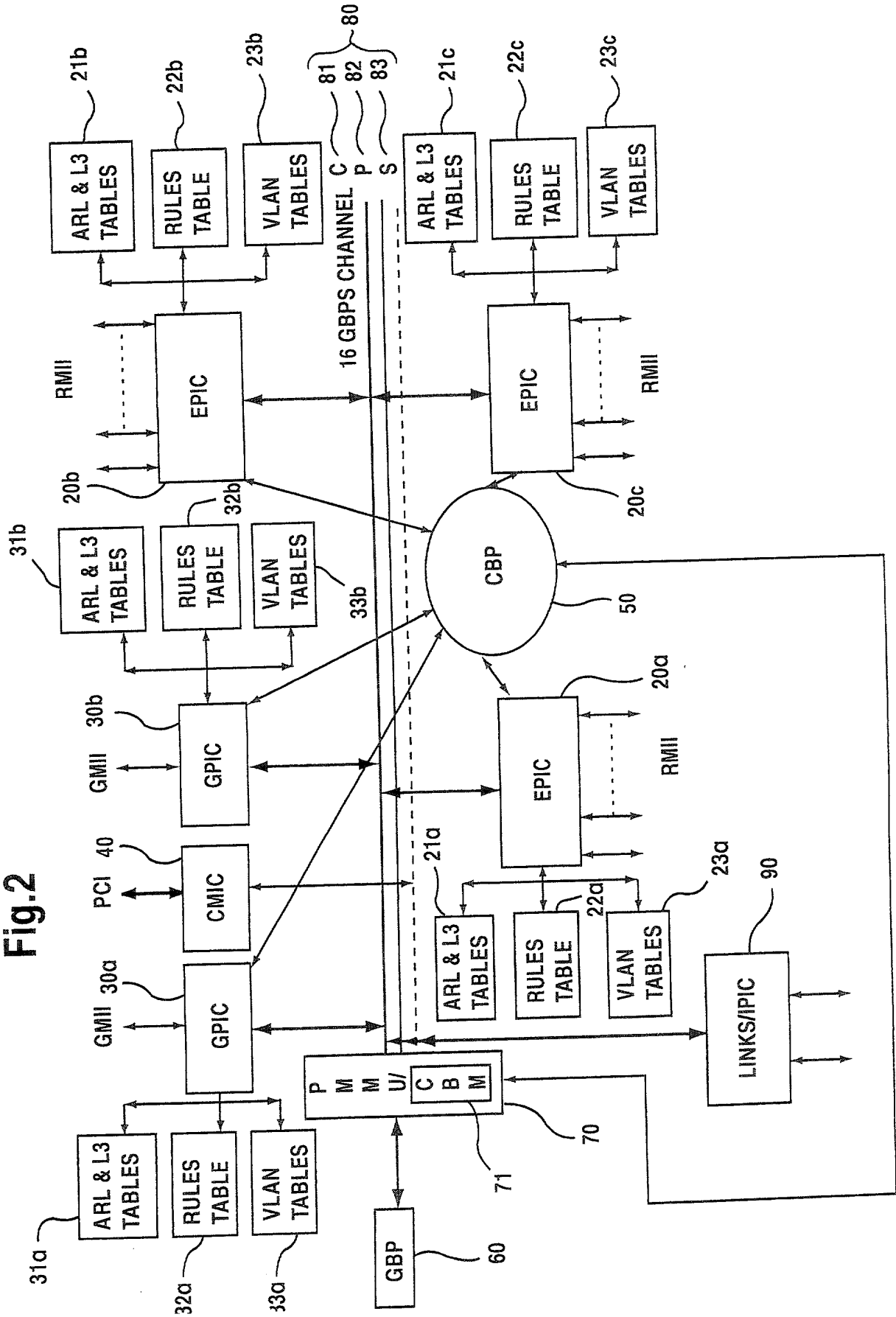


Fig.2



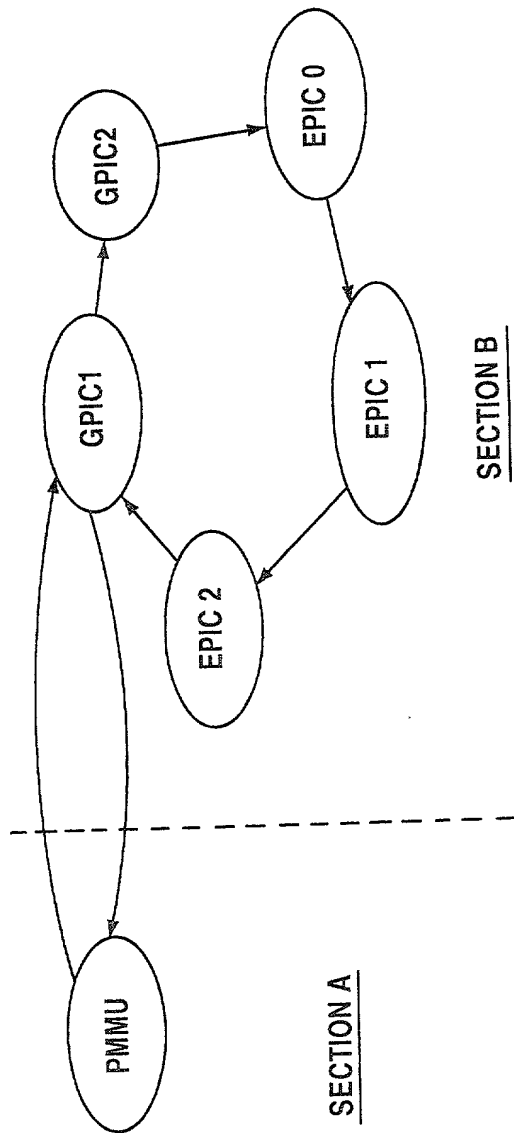


Fig.4a

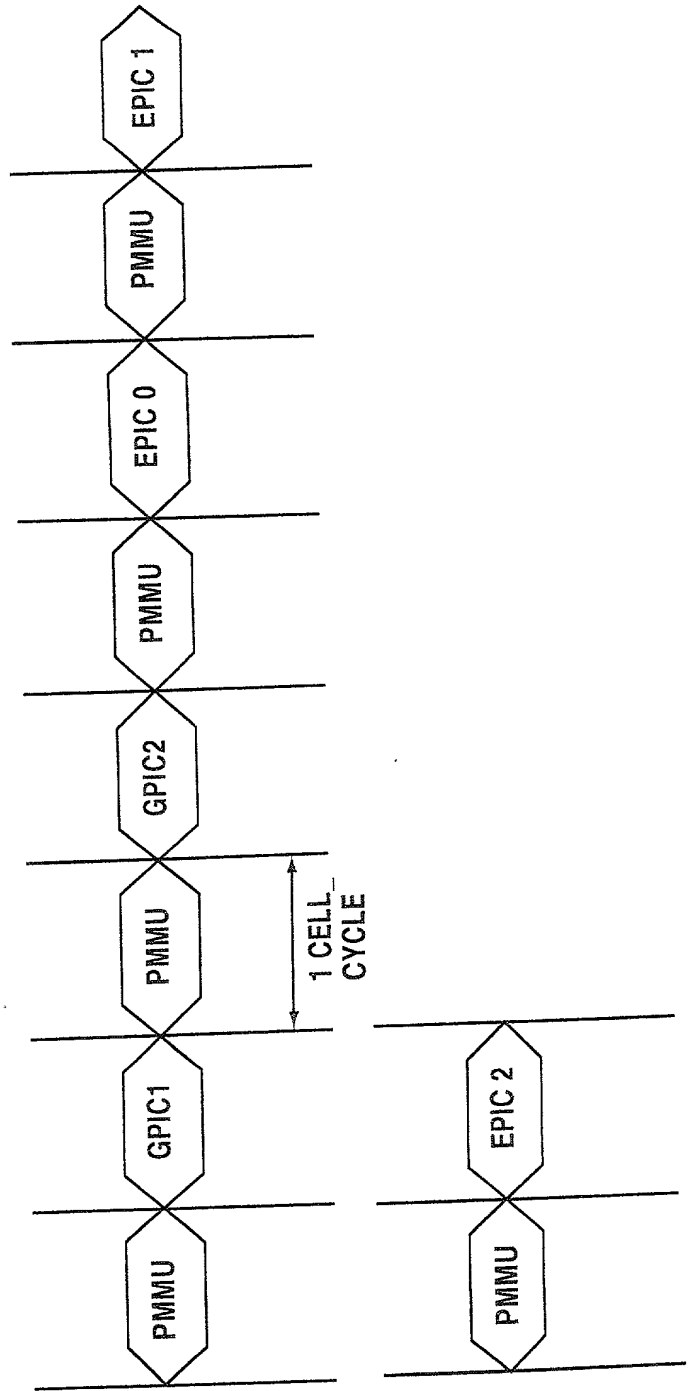


Fig.4b

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PROTOCOL CHANNEL MESSAGES

30	28		26		24		22	20	18	16	14	12	10	8	6	4	2	0
OP CODE	I	I	RESERVED	NXT CELL	SRC DEST PORT				COS		J	S	E	CR C	P	O	LEN	
	P	P																
	X	X																

[illegible]

30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0
U	RES	UNTAGGED PORTBITMAP/SRC PORT NUMBER (BIT0..5)													

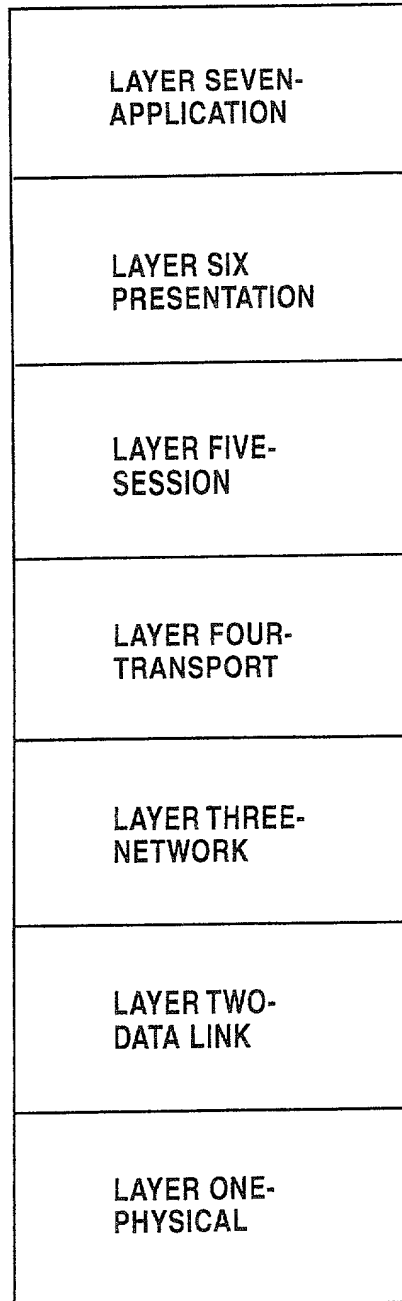
CPU OPCODES										TIME STAMP					
30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0

Fig.6

SIDE BAND CHANNEL MESSAGES

SIDE BAND CHANNEL MESSAGES																
30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0	
OPCODE			DEST PORT/ DESTINATION DEV ID			SRC PORT			DATA LEN			E	E CODE		COS	0
ADDRESS																
DATA																

Fig.7
PRIOR ART



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Fig.8

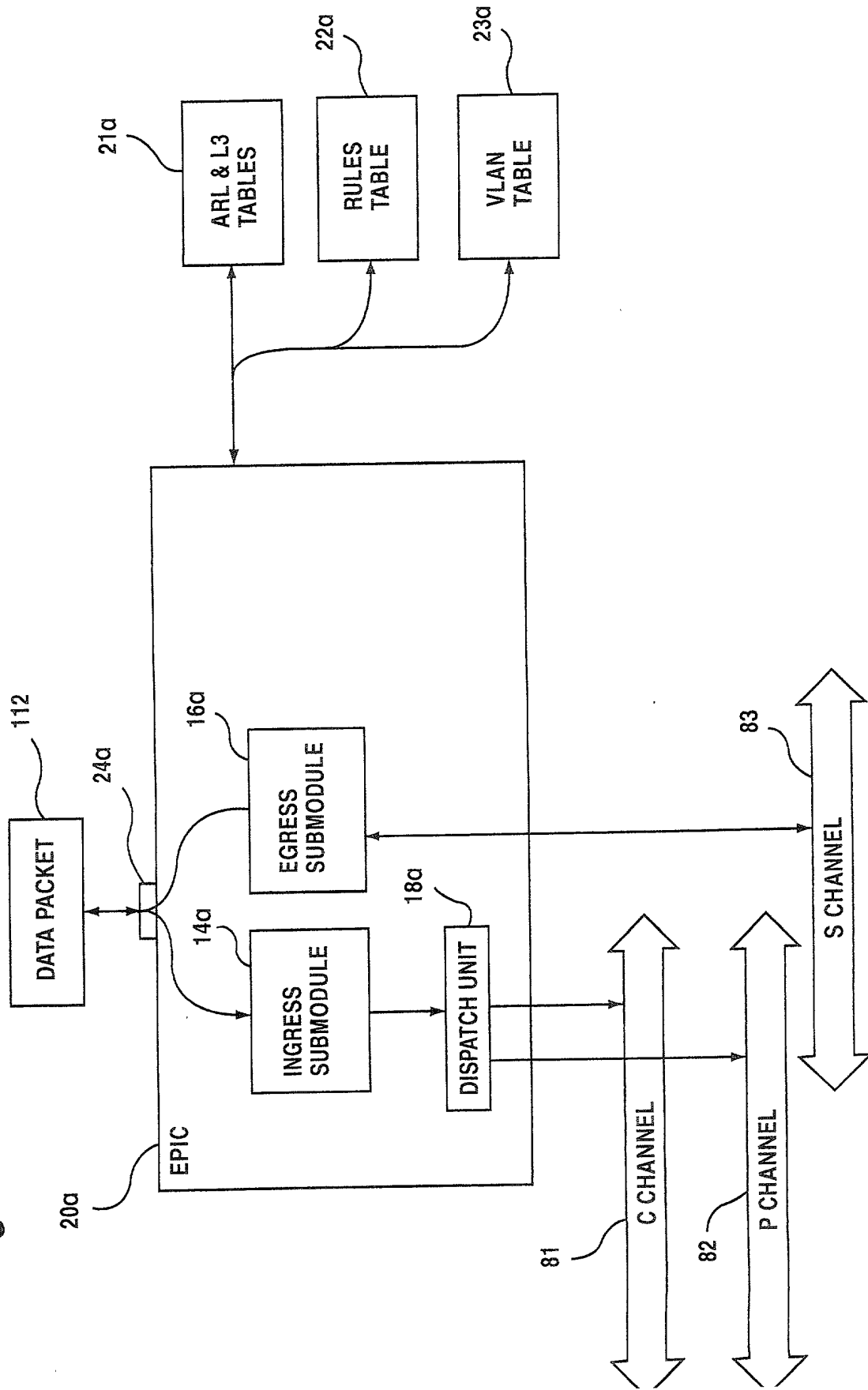


Fig.9

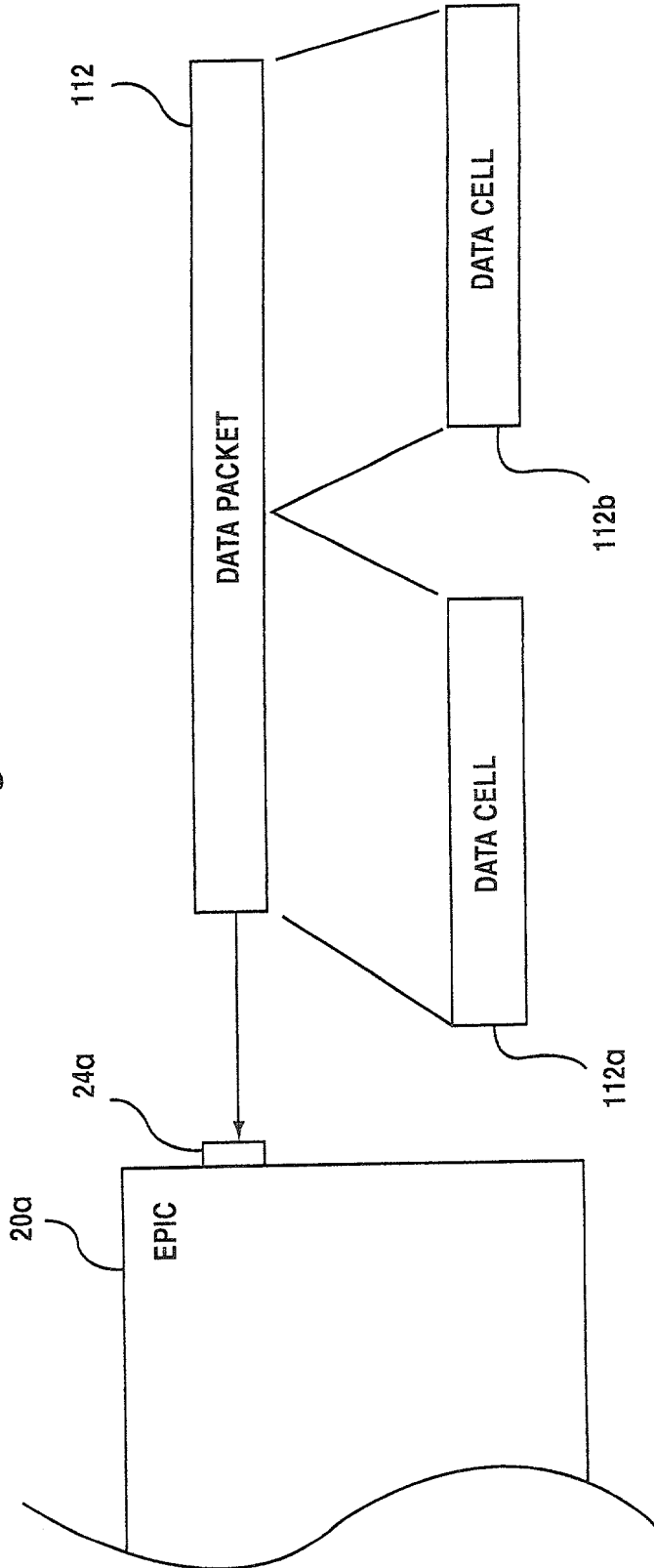


Fig.10

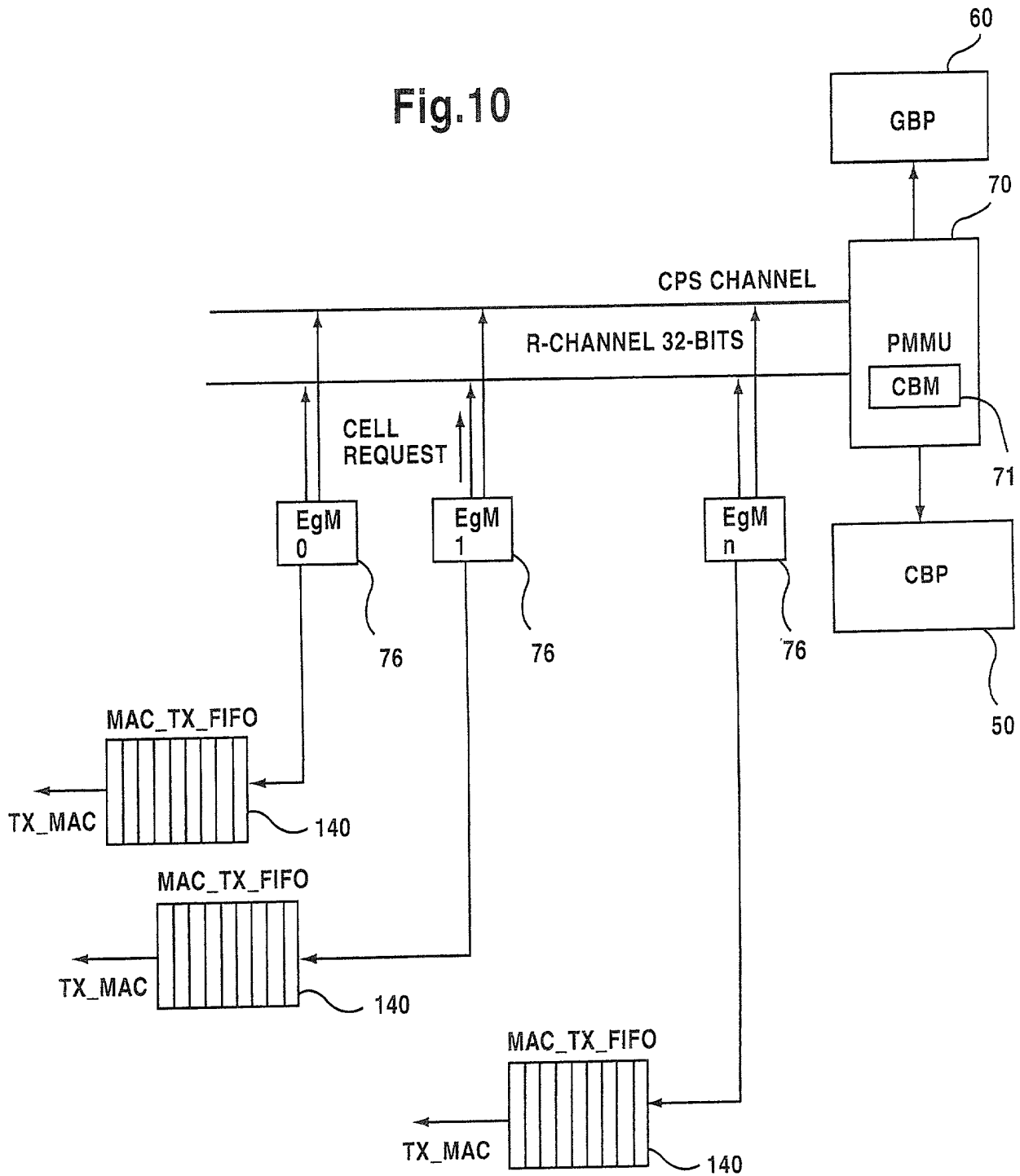


Fig.11

LINE 0 →	FC LC BC/MC CPY_CNT(5b) CELL_LENGTH(7b) CRC(2b) NC_HEADER(16b) SRC_COUNT(6) IPX IP TIME_STAMP(14b) O_BITS(2b) PI NEXT_CELL_LEN(2b) CPU_OPCODE(4b) CELL_DATA(0-9B)
LINE 1 →	CELL_DATA(10-27) BYTES
LINE 2 →	CELL_DATA(28-45) BYTES
LINE 3 →	CELL_DATA(46-63) BYTES

Fig.12

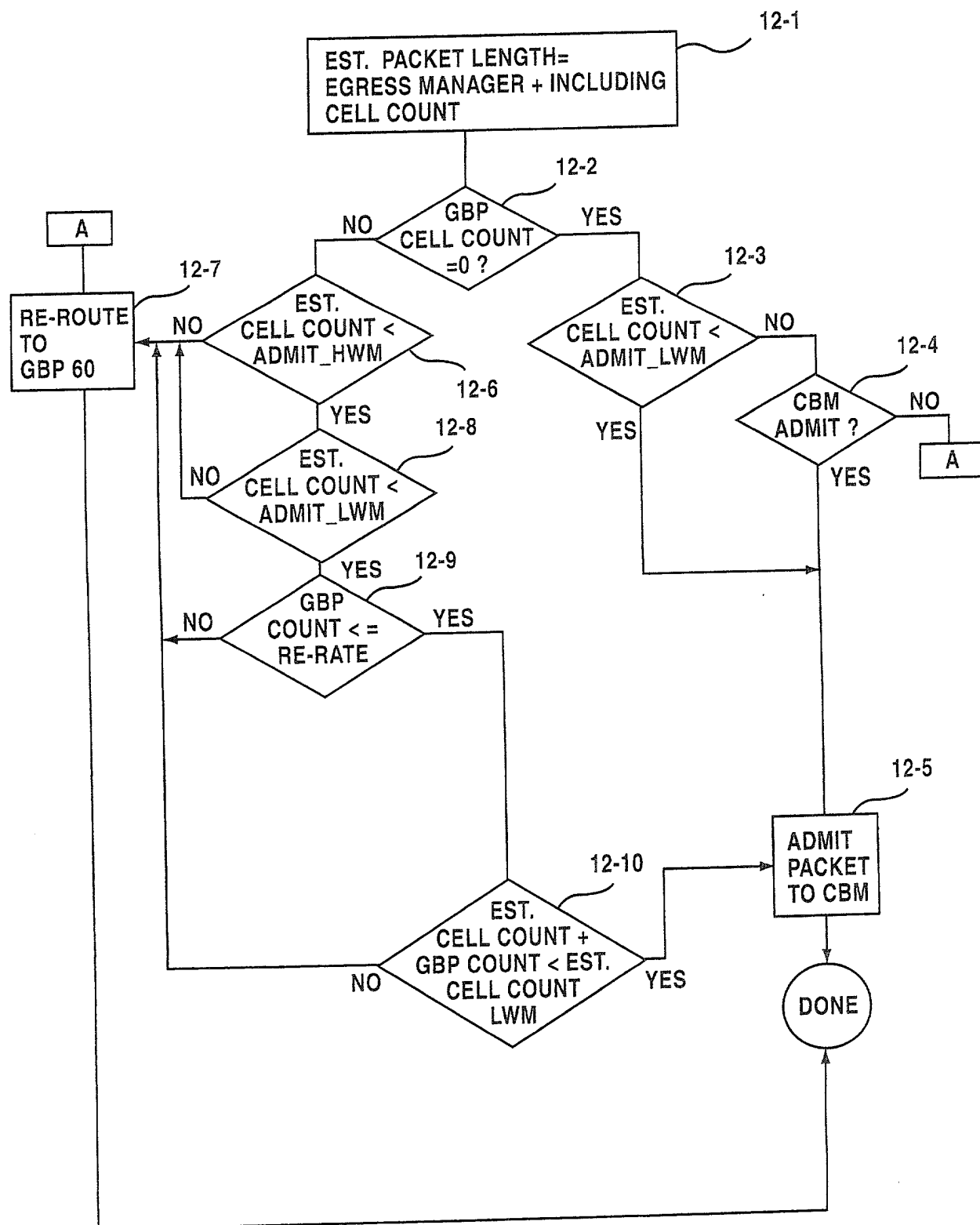


Fig.13

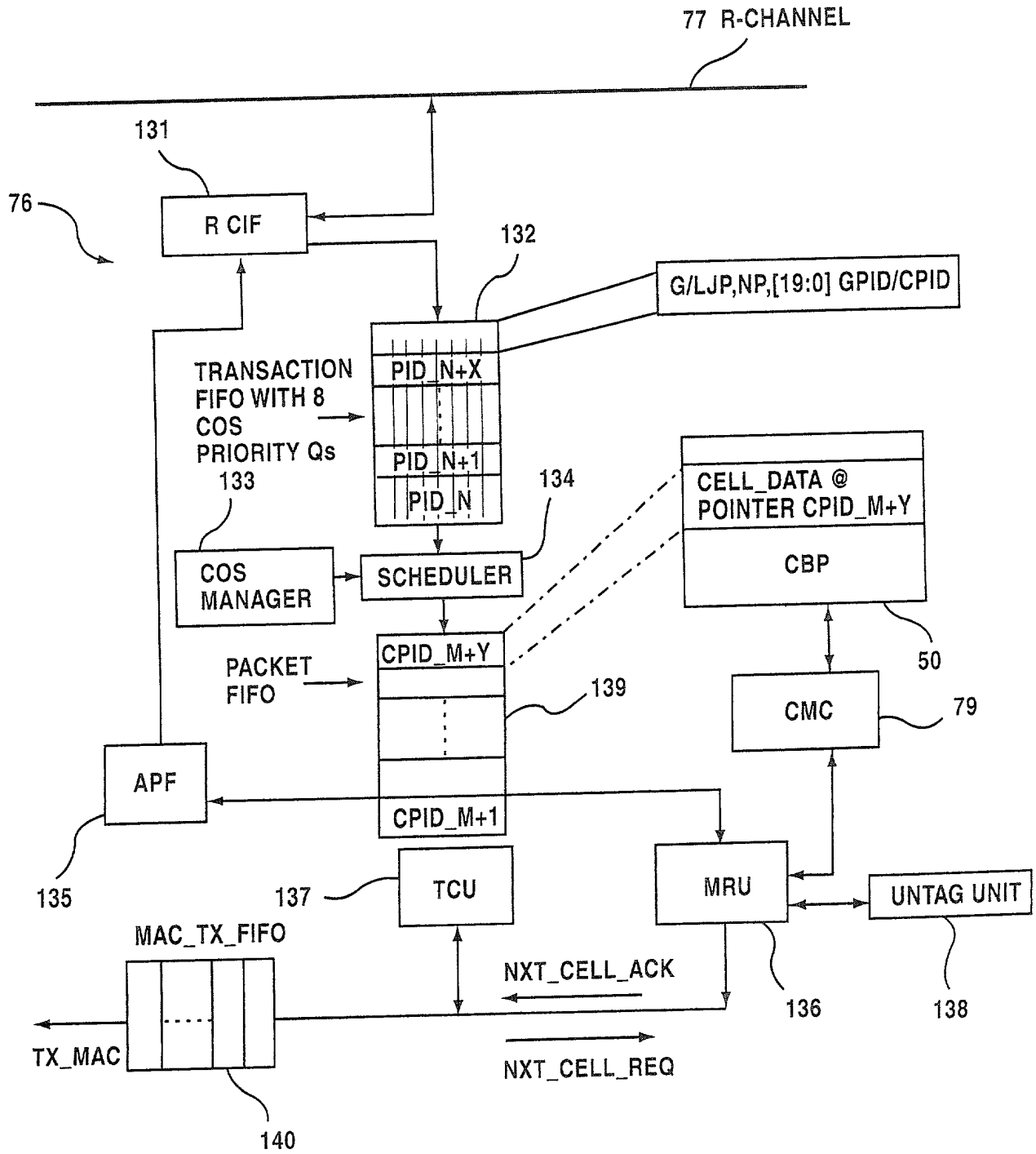


Fig.14

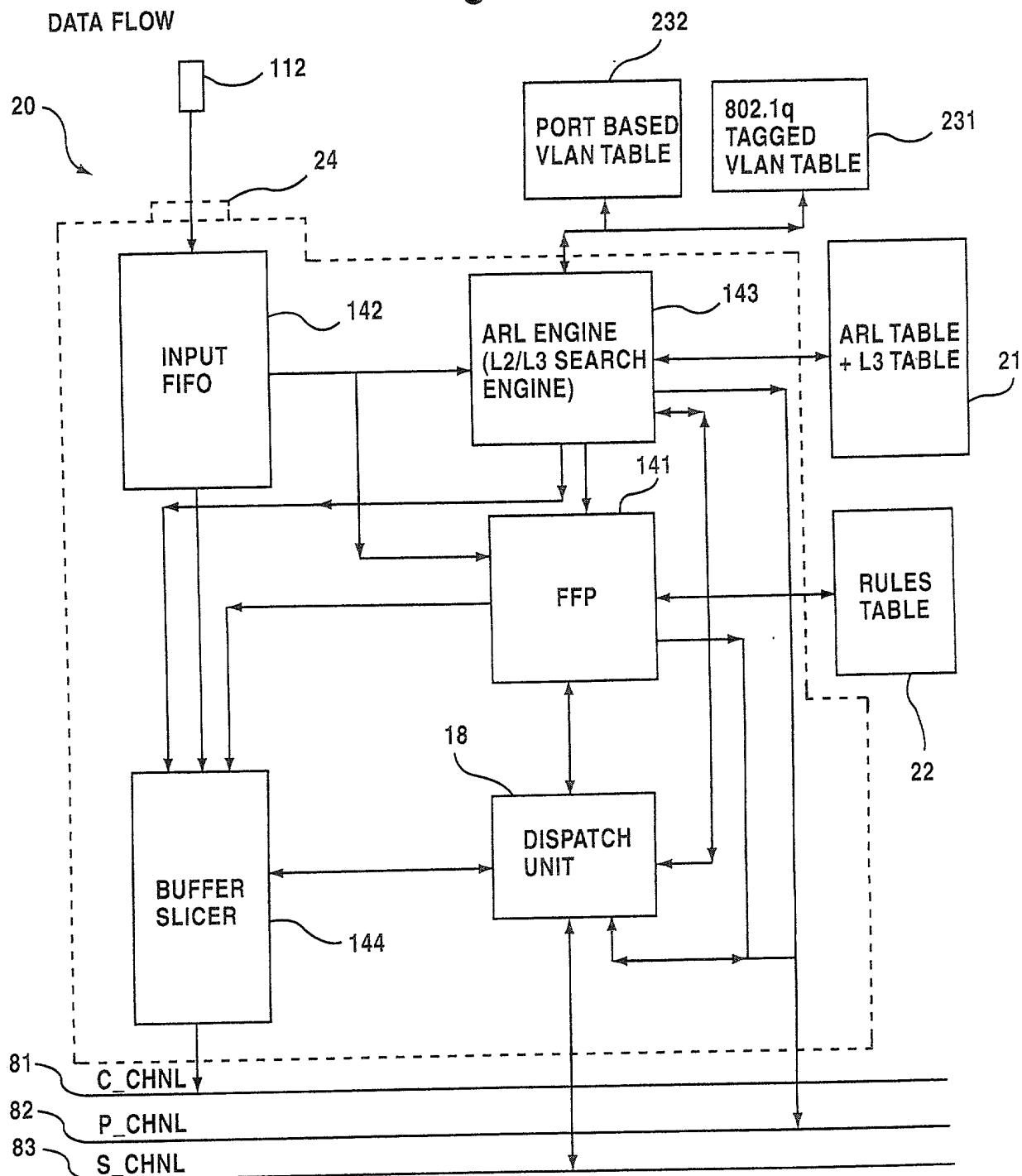


Fig.15

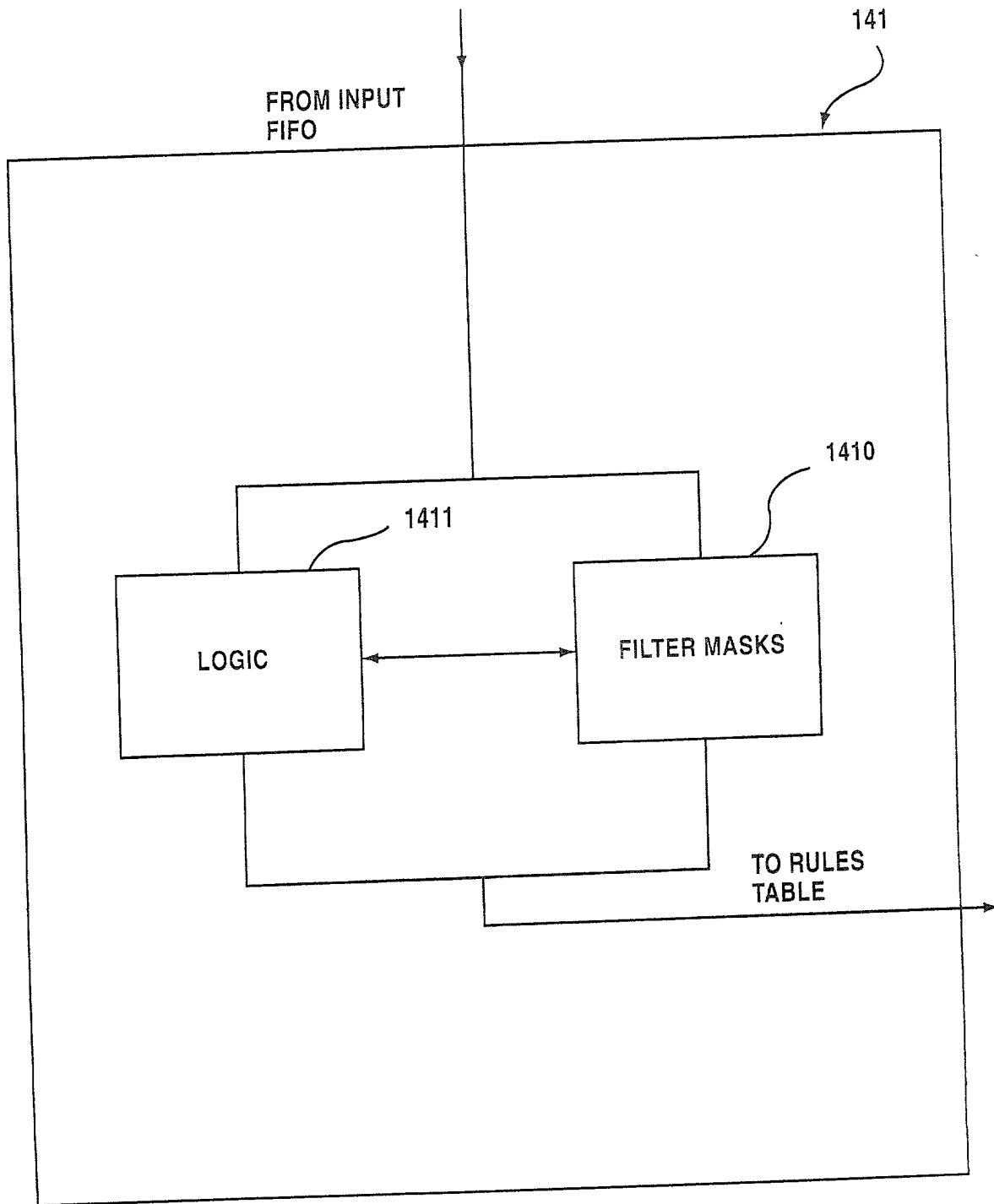
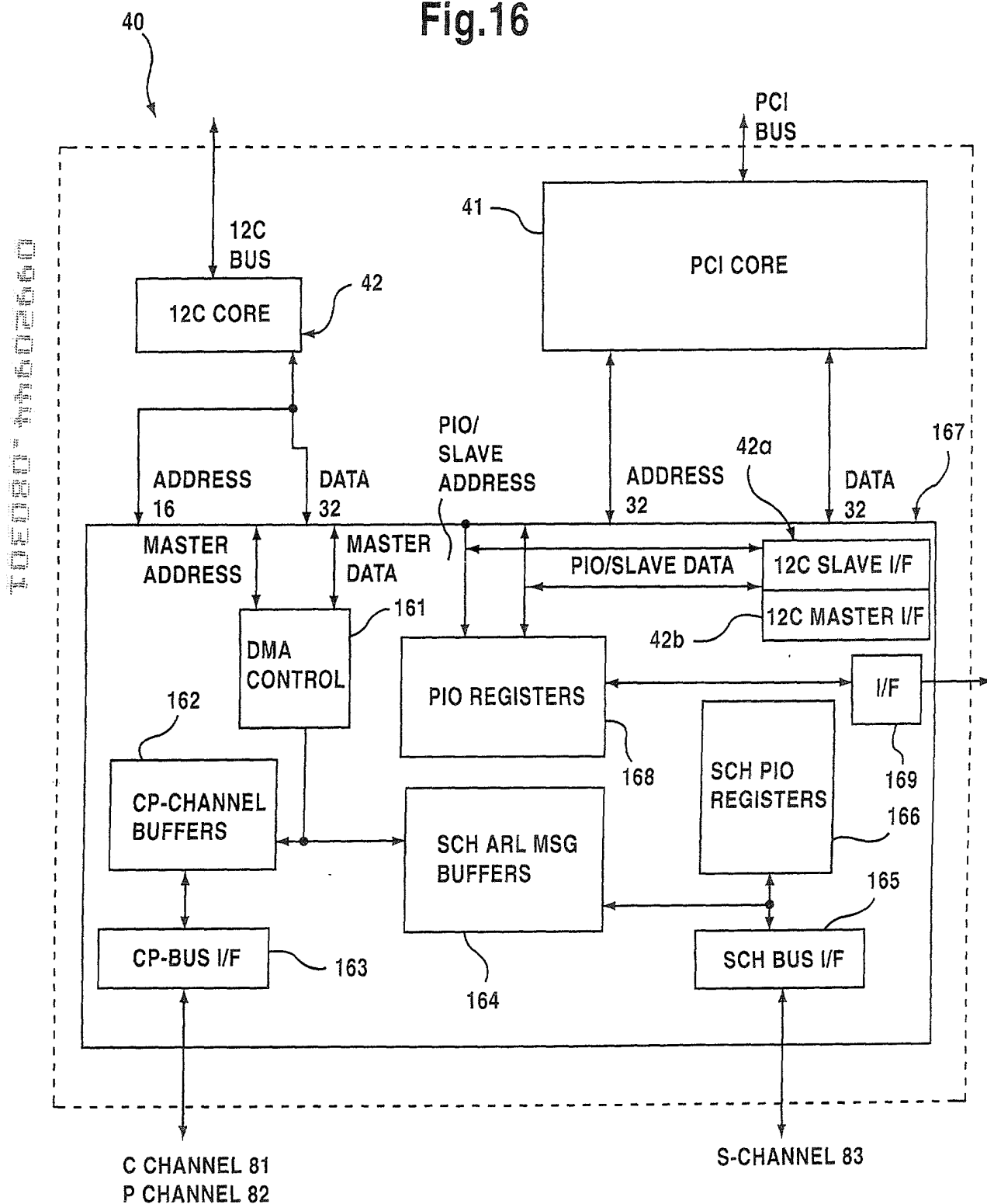


Fig.16



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Fig.17

FFP PROGRAMMING FLOW CHART

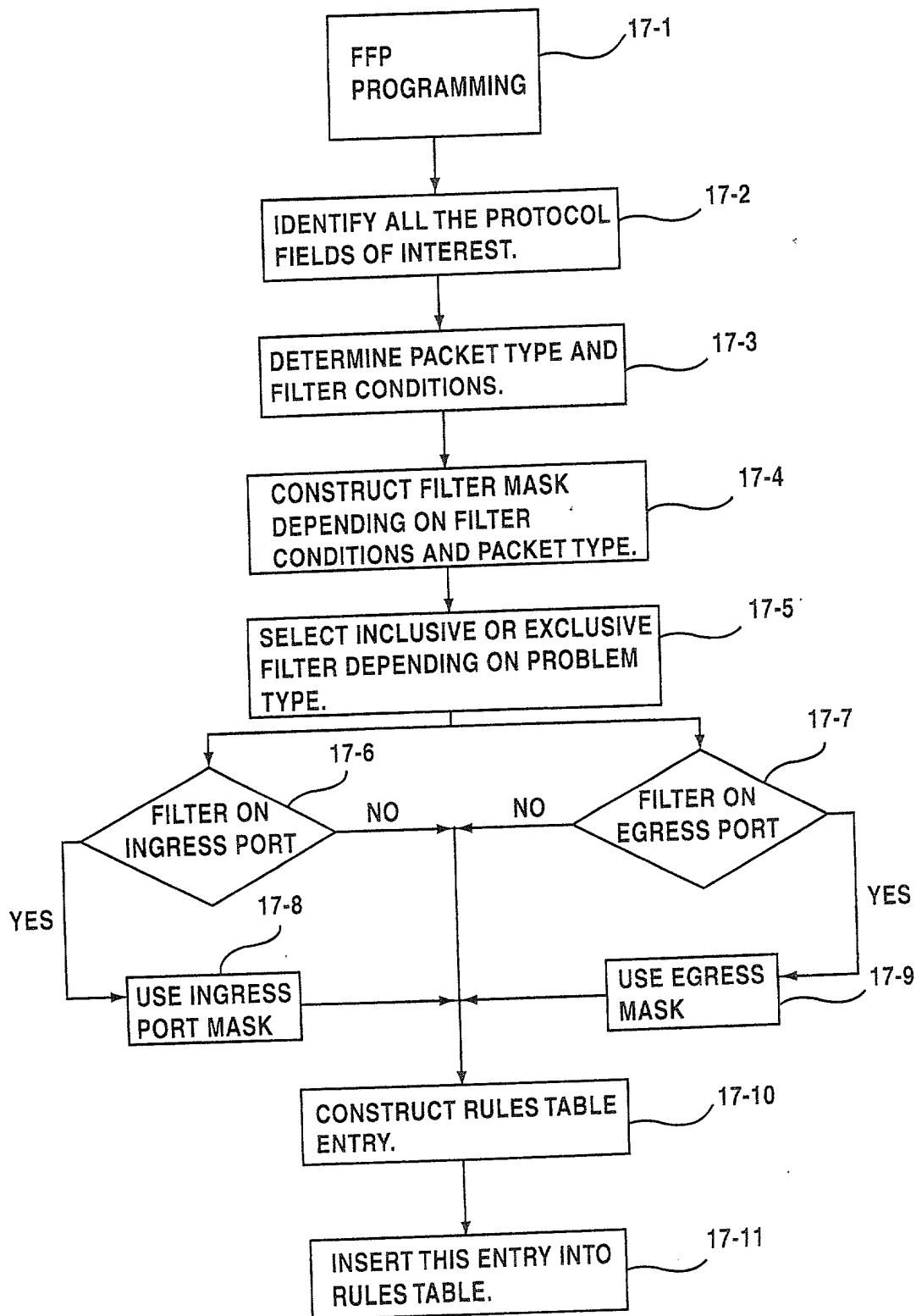


Fig.18

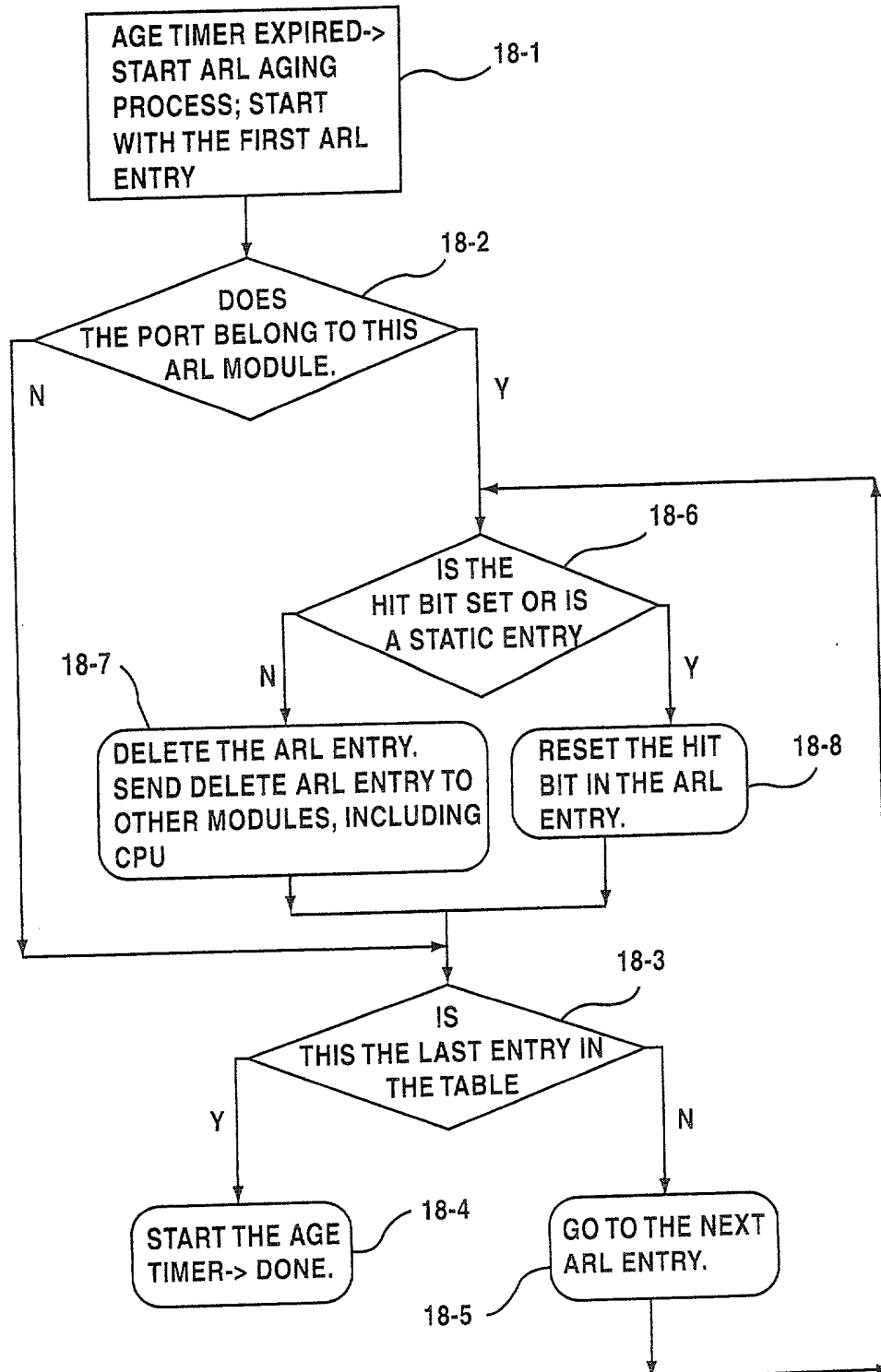


Fig.19

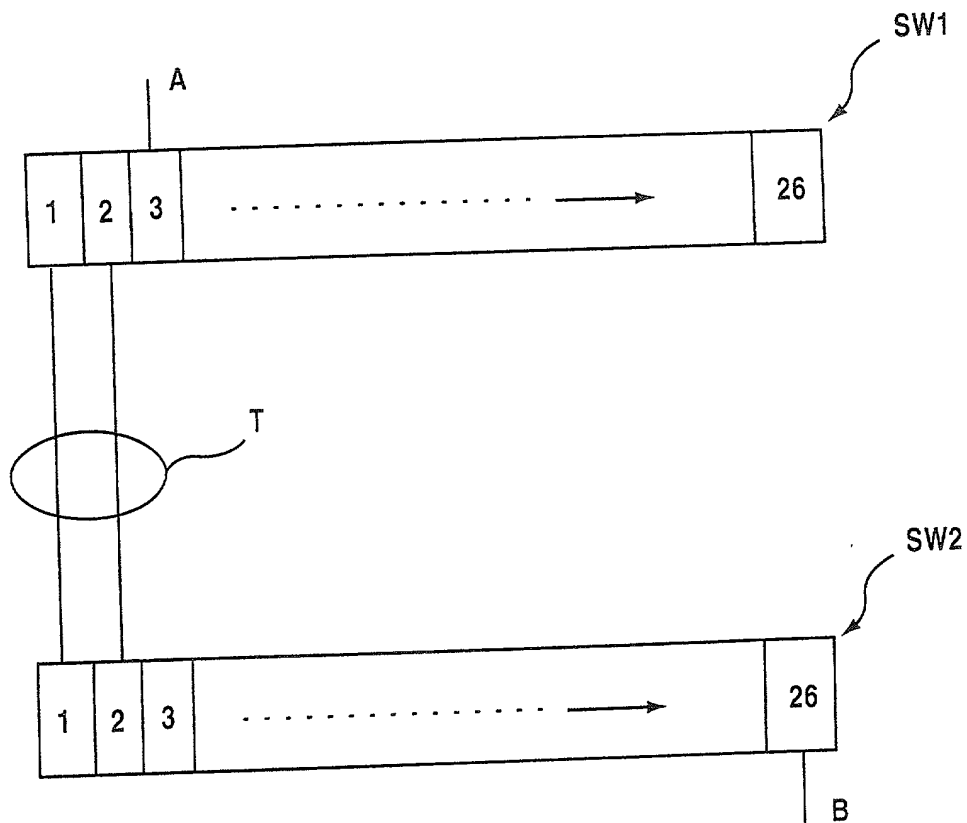


Fig.20

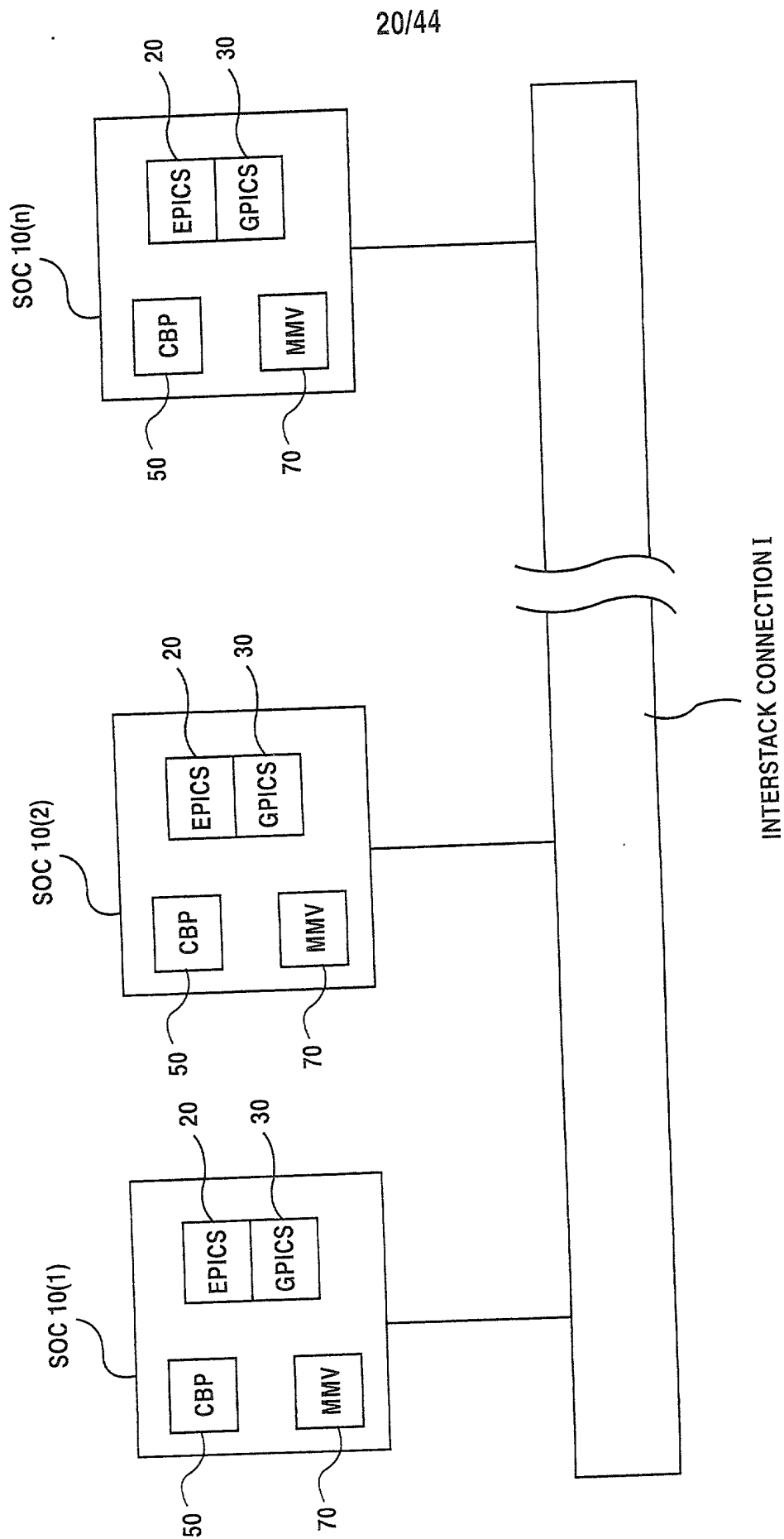


Fig.21

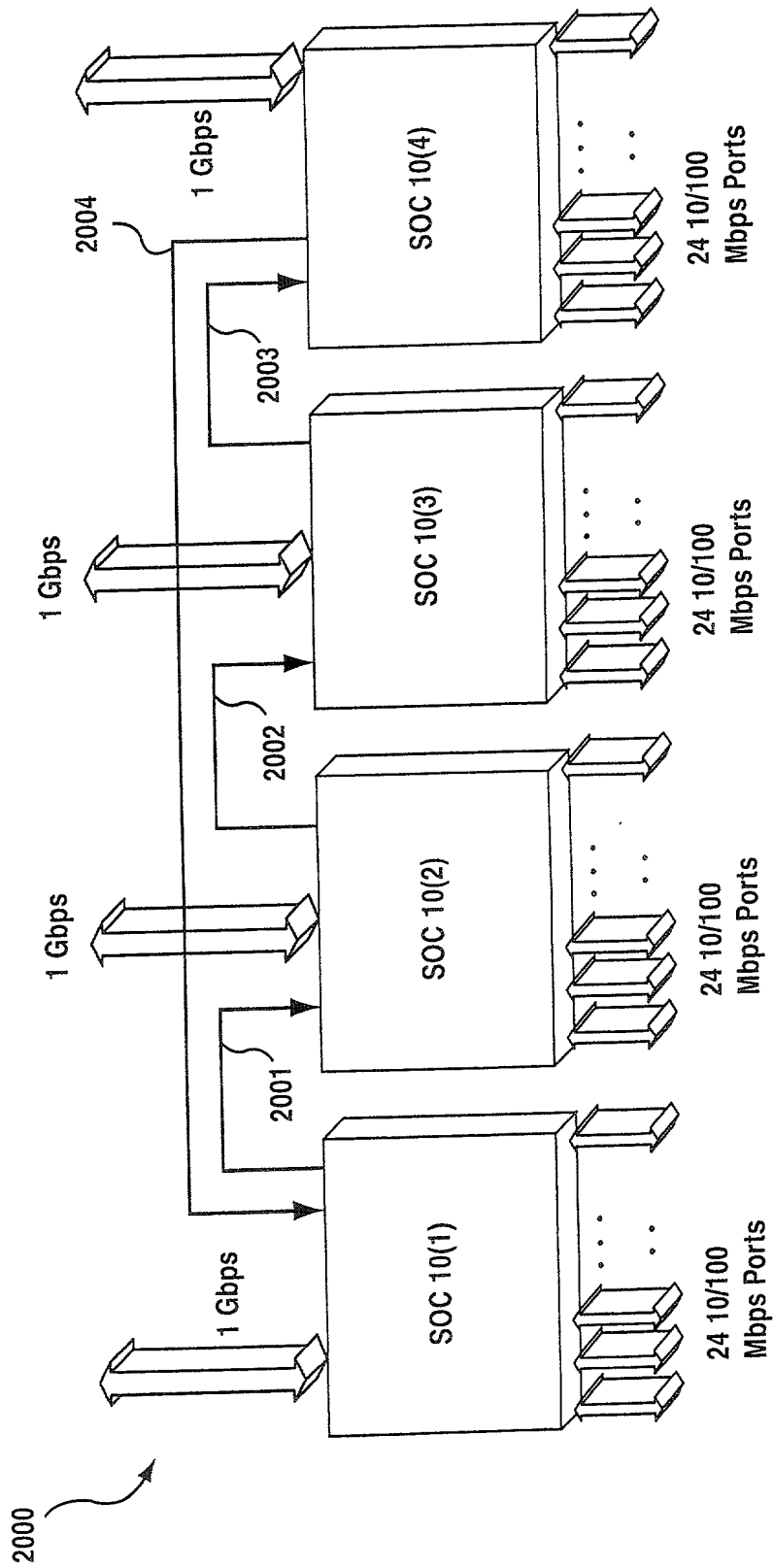


Fig.22

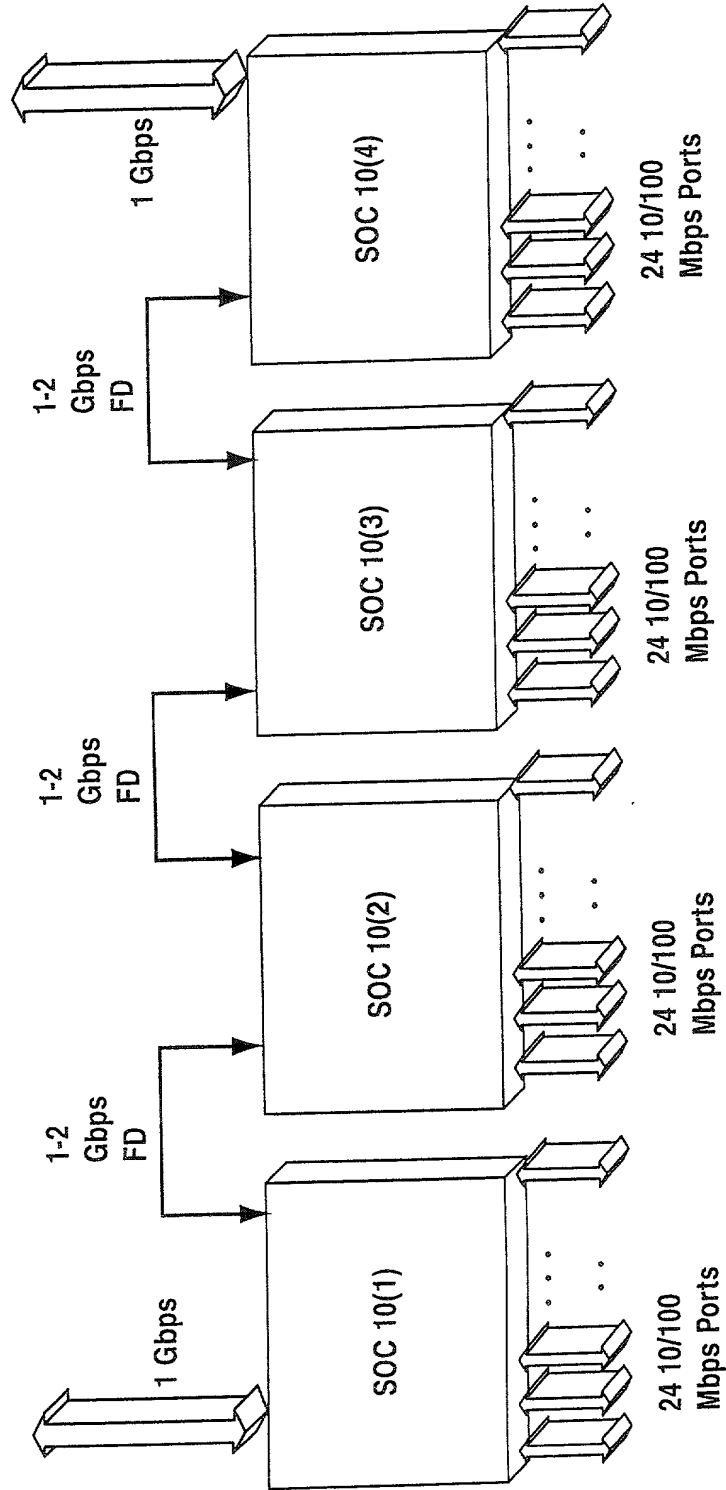


Fig.23

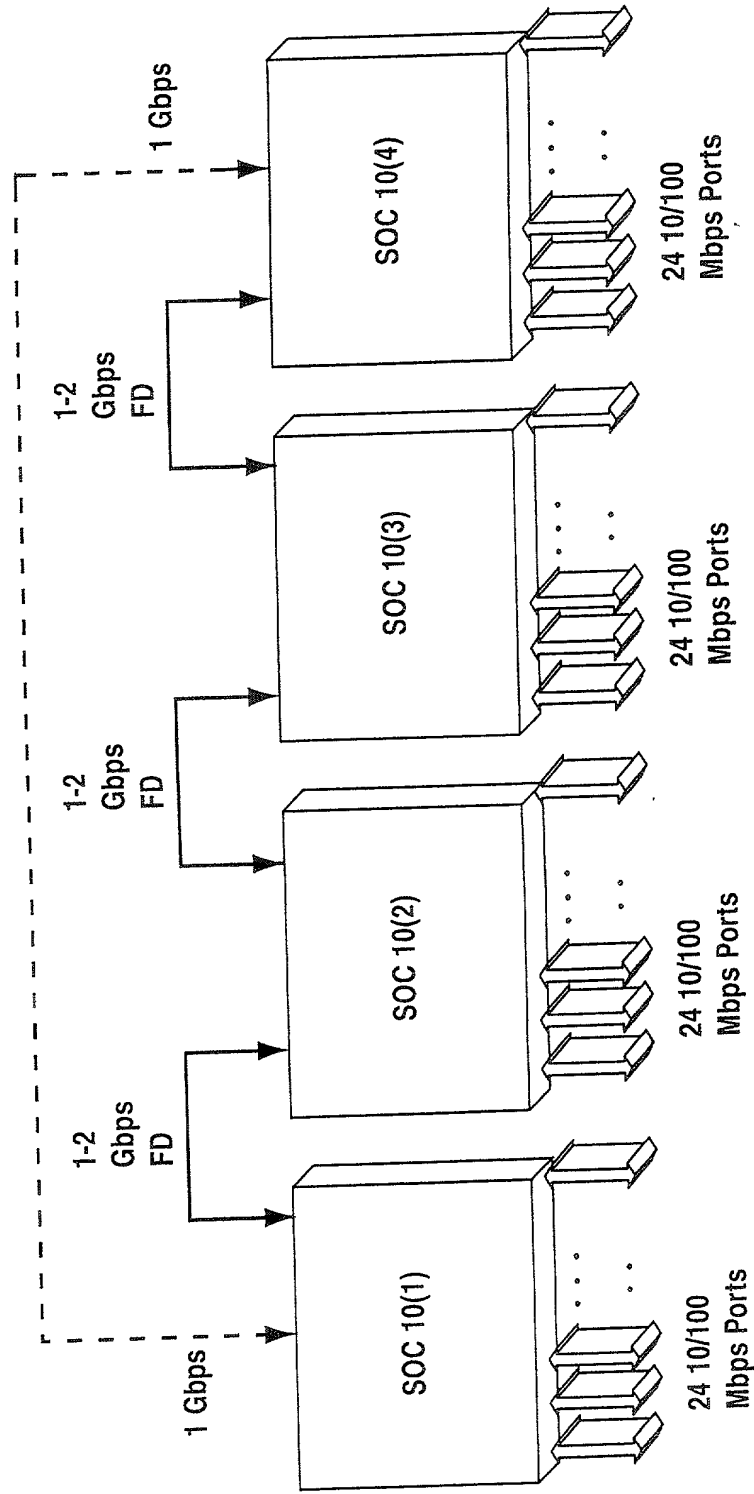


Fig.24A

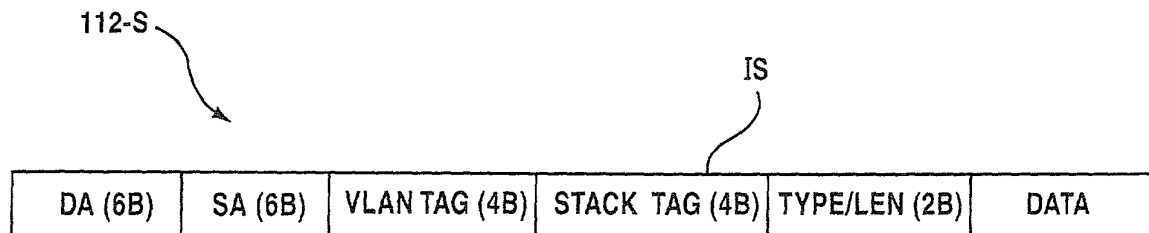


Fig.24B

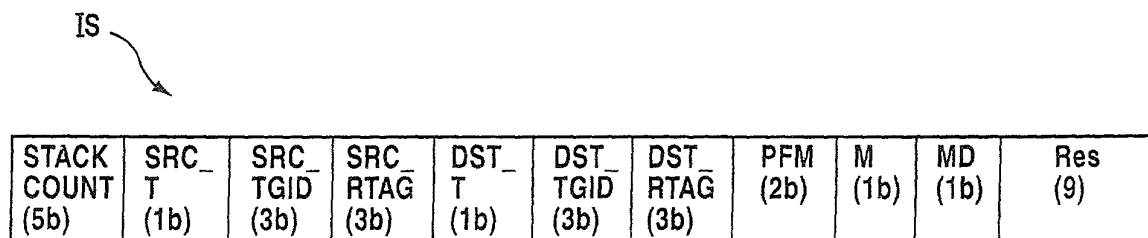


Fig.25

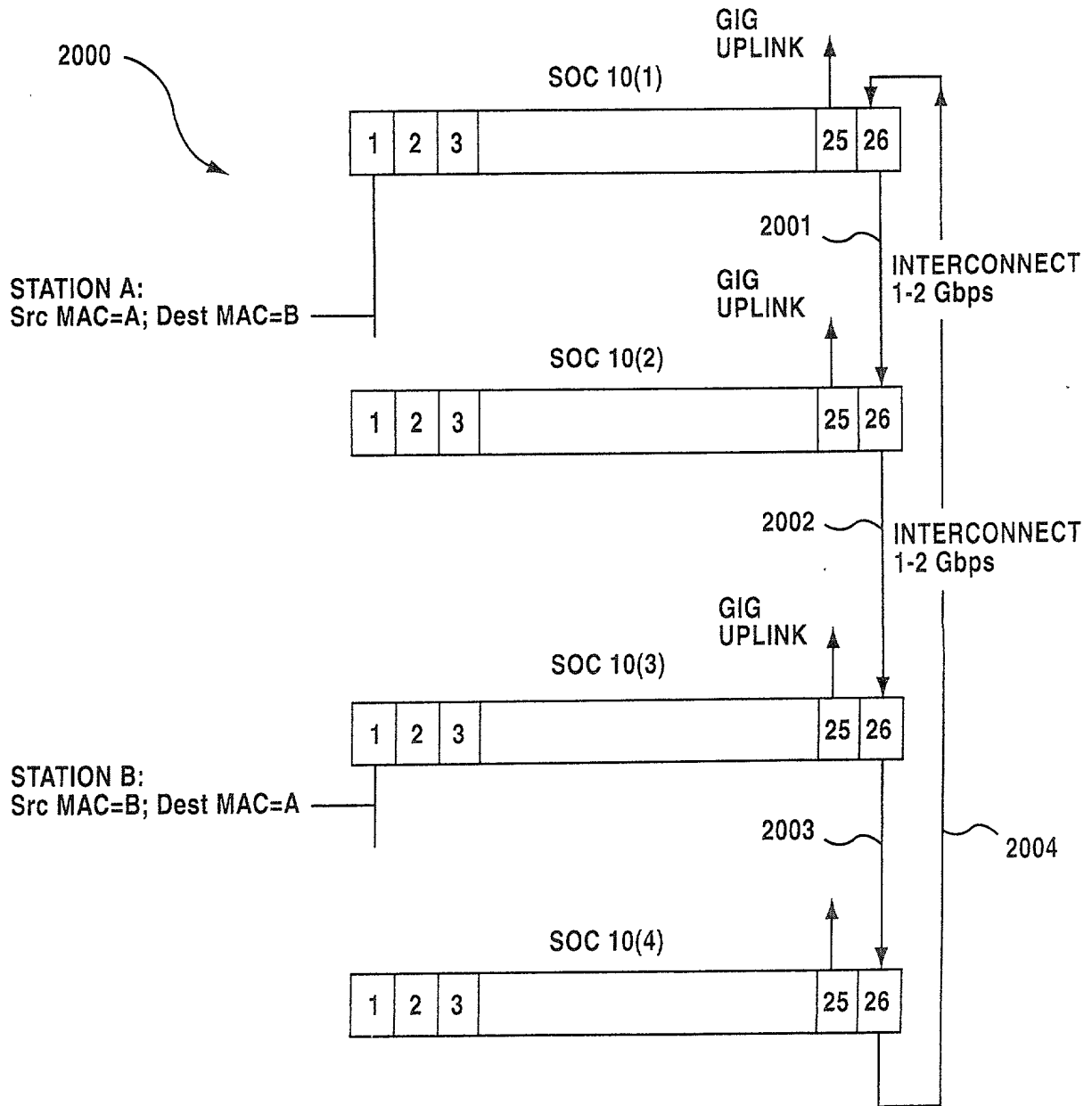


Fig.26

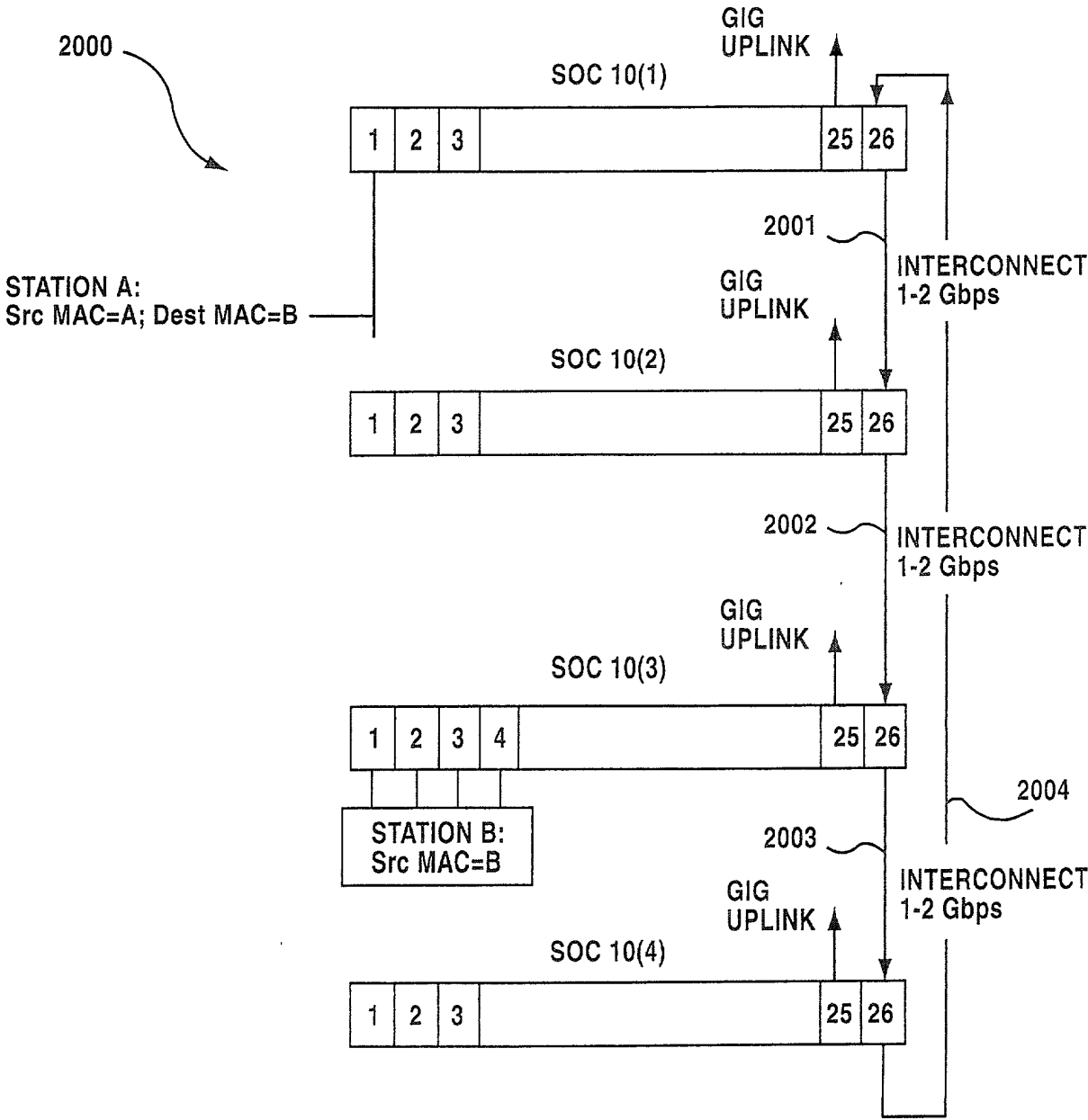


Fig.27A

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
1	A	1	0	X	X
26	B	1	1	2	2

Fig.27B

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	0	X	X
26	B	1	1	2	2

Fig.27C

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	0	X	X
1	B	1	1	2	2

Fig.27D

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	0	X	X
26	B	1	1	2	2

Fig.28

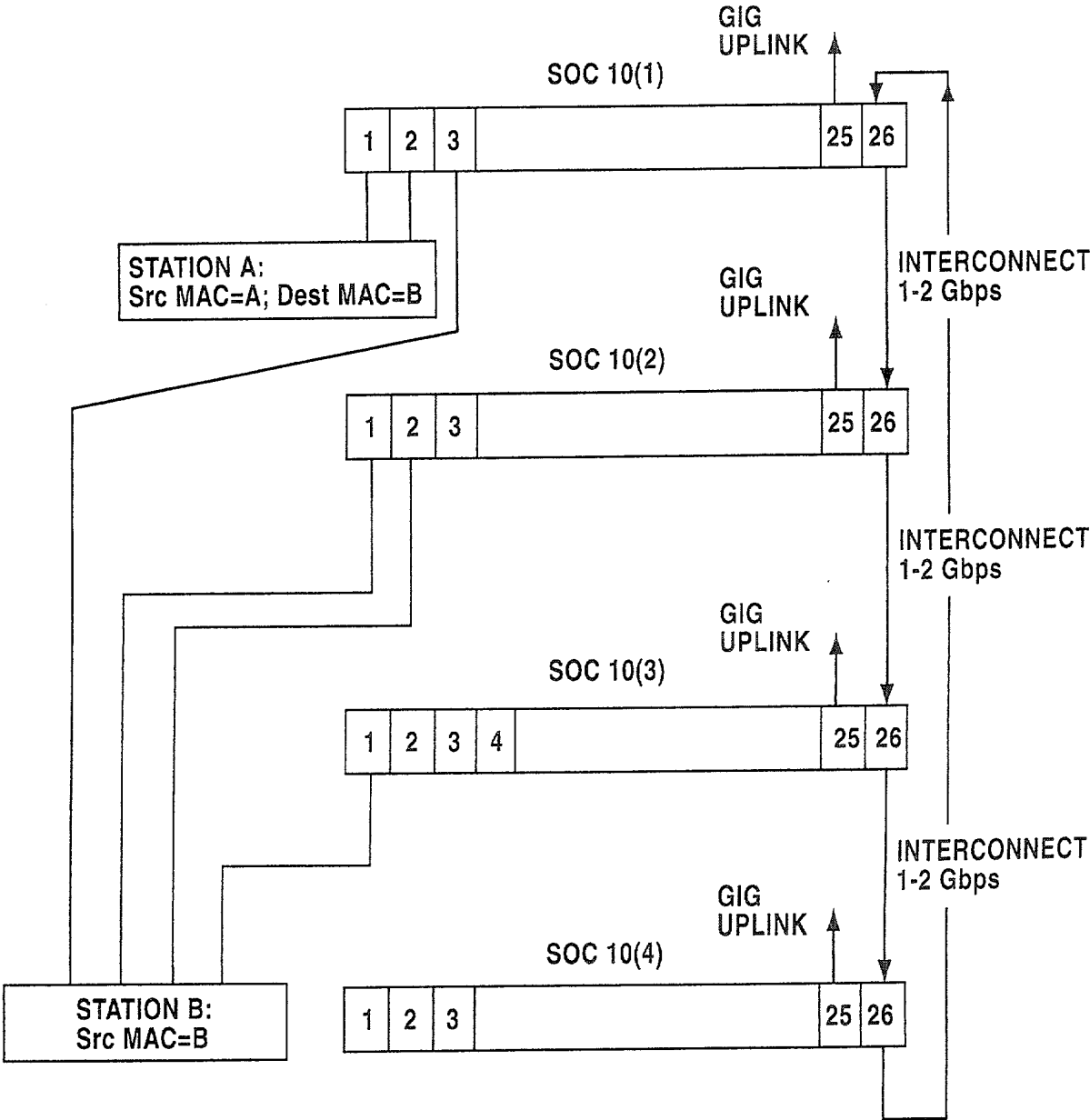


Fig.29A

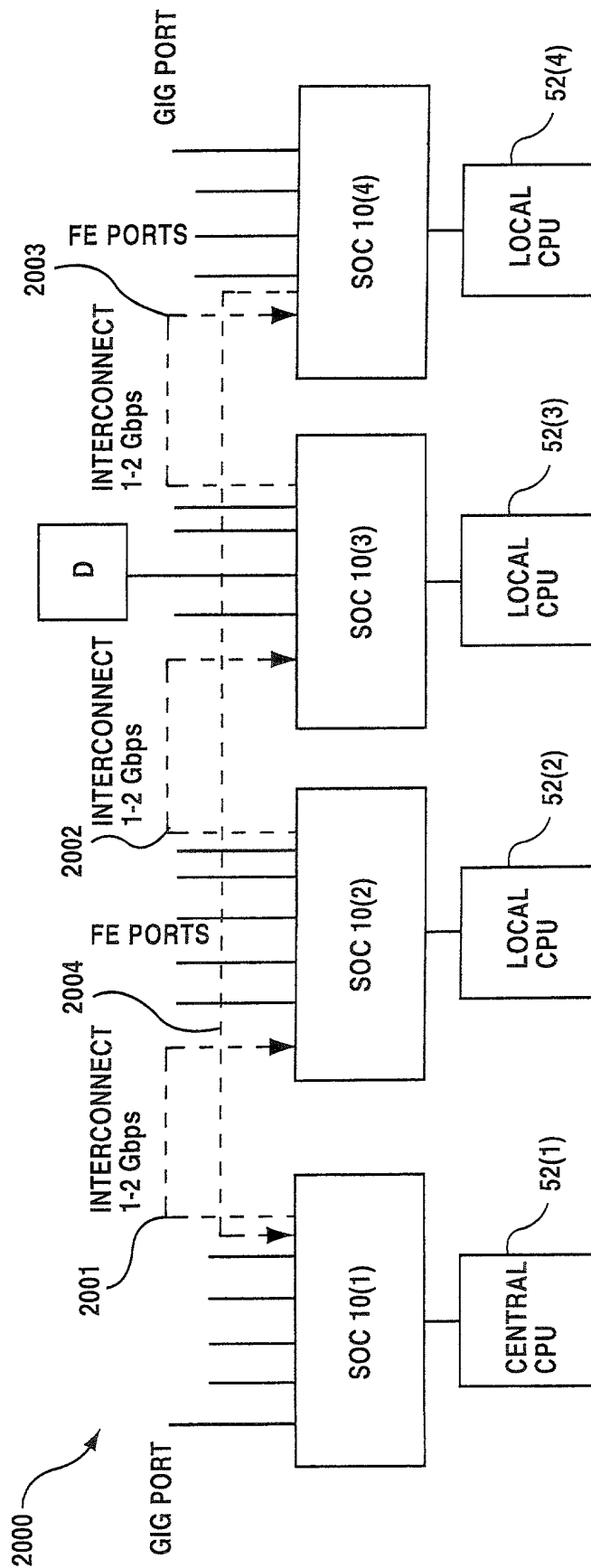


FIG.29B

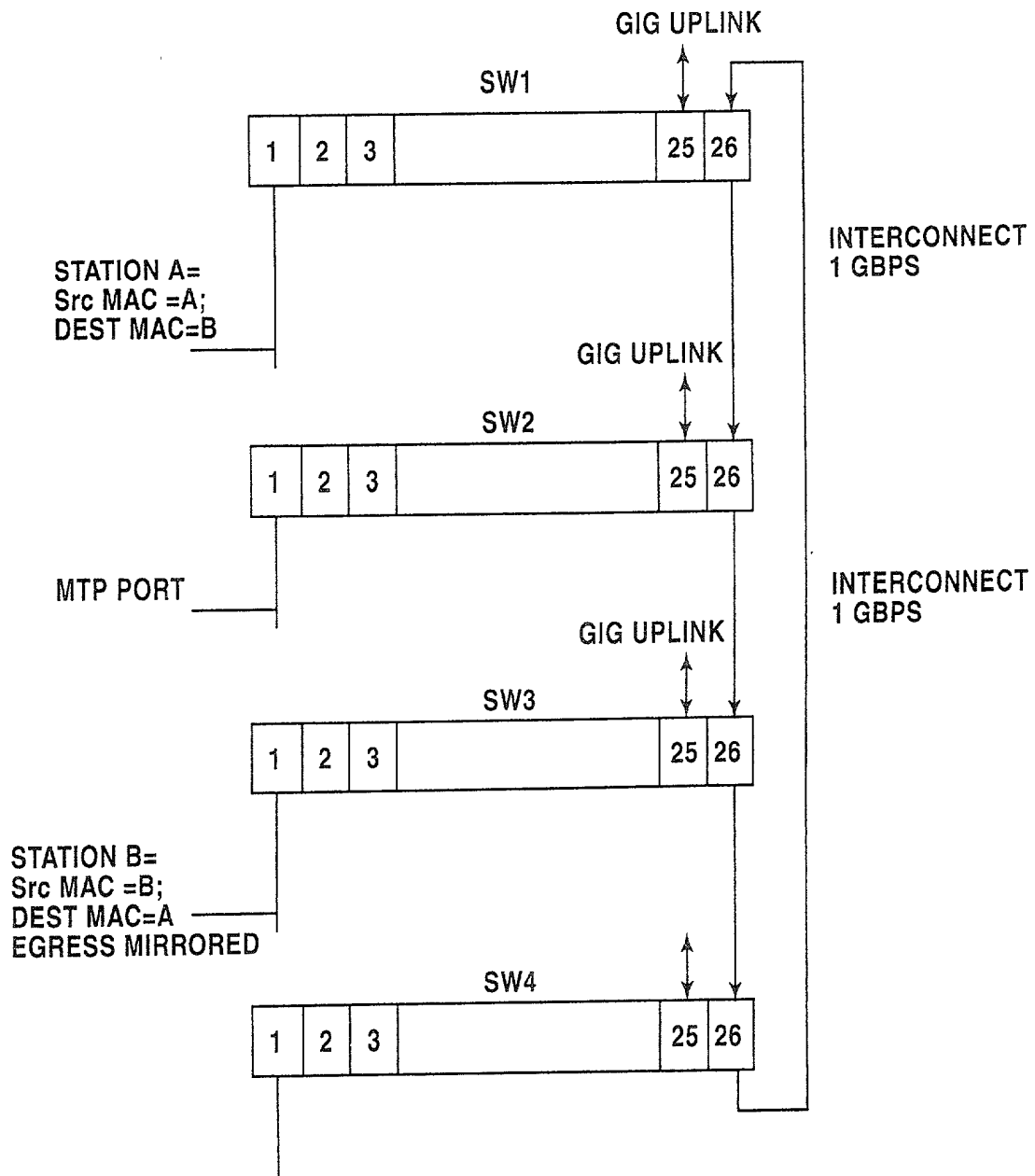


FIG.29B

FIG.29C

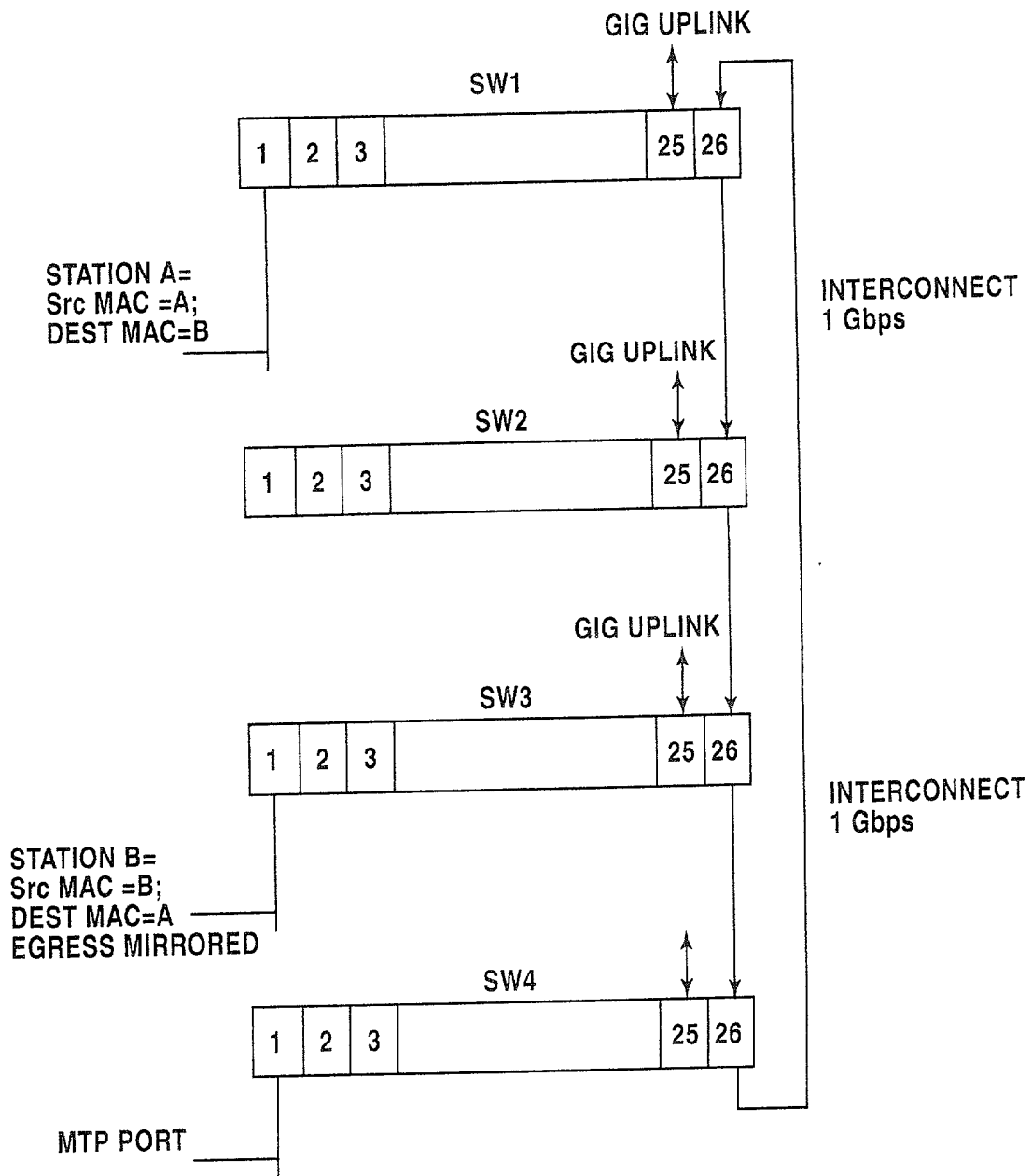


FIG.29D

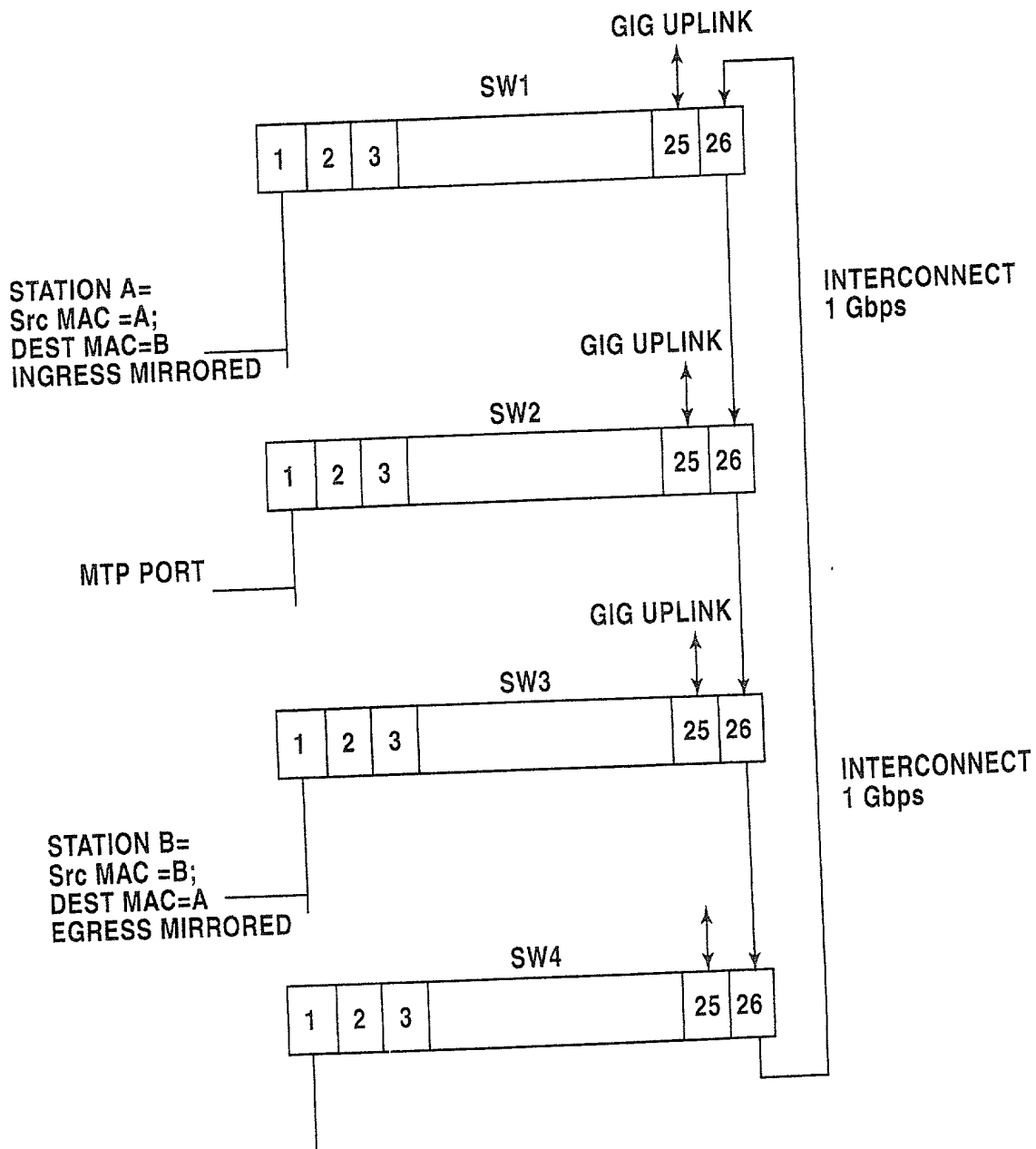


FIG.29E

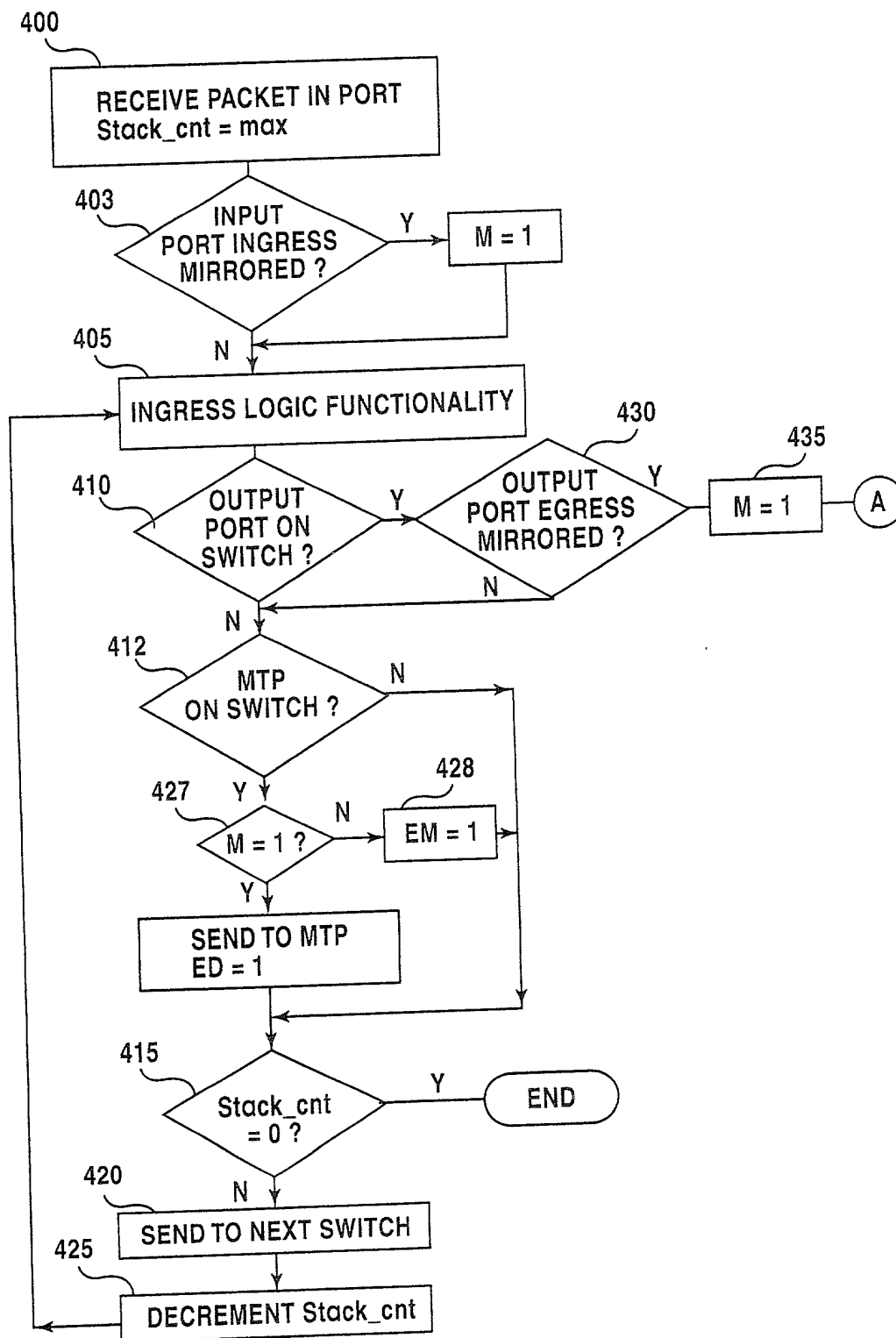


FIG.29F

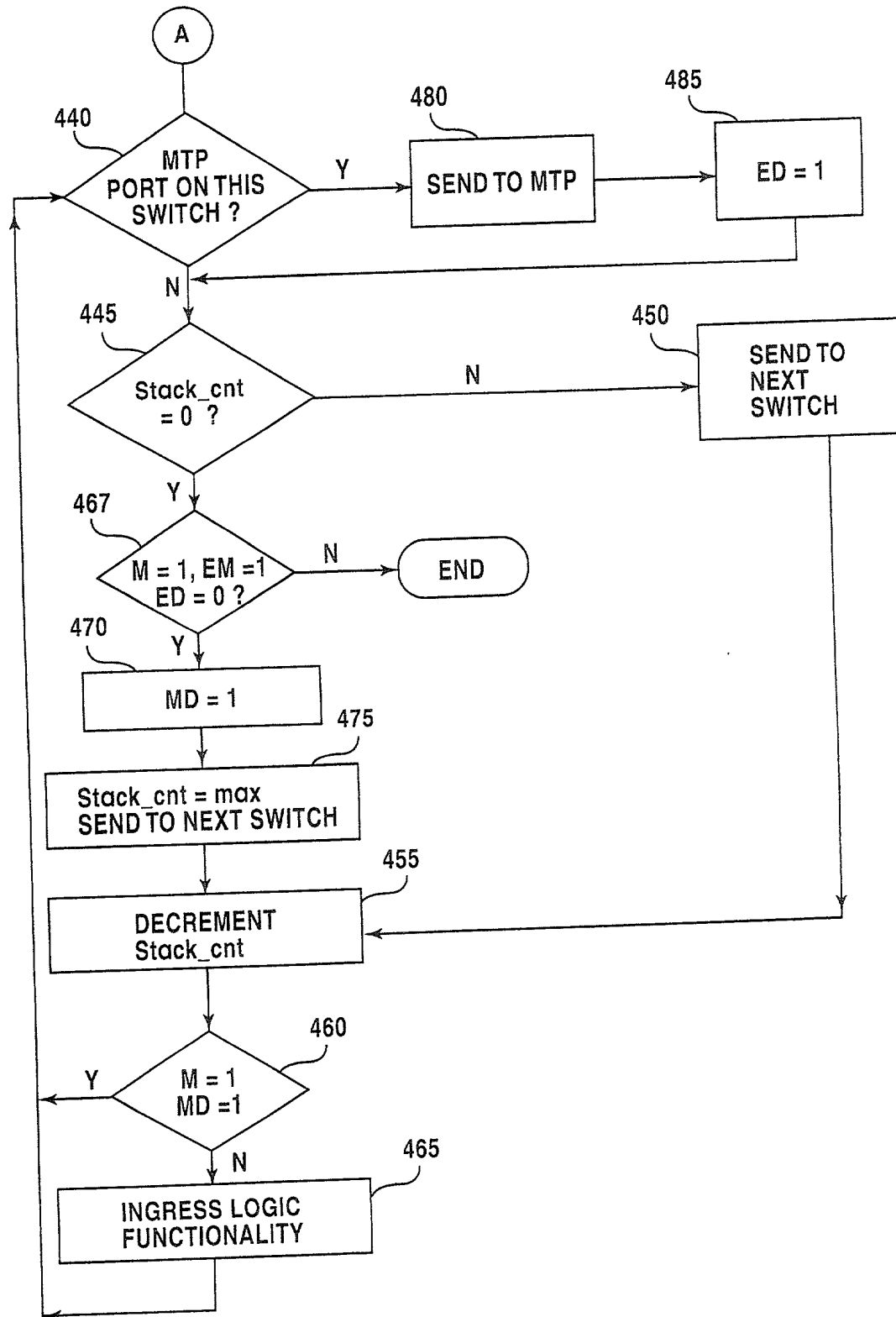


FIG.29G

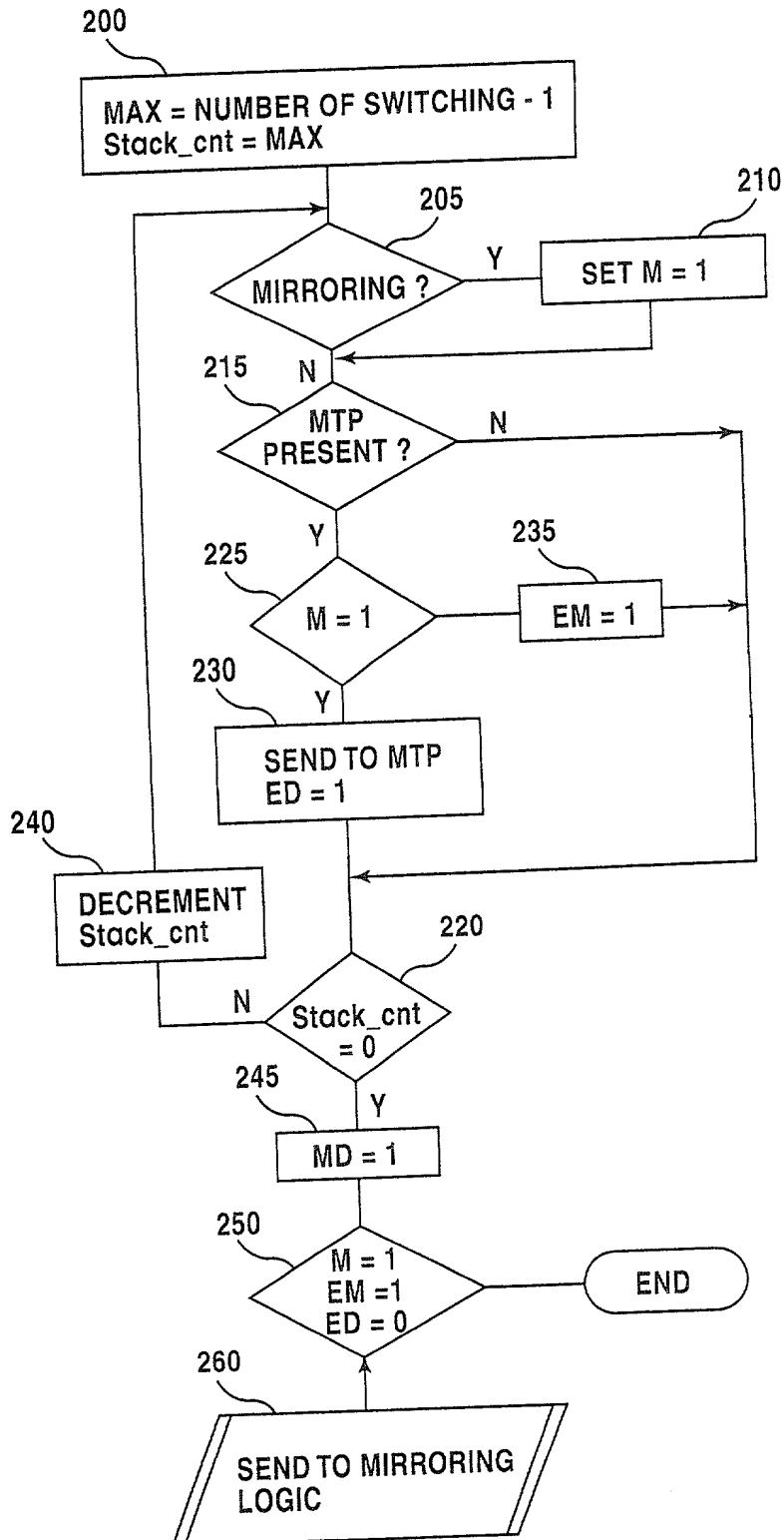


FIG.29H

1	5	23	24	25	26	32
Stack_cnt		M	MD	EM	ED	

Fig.30

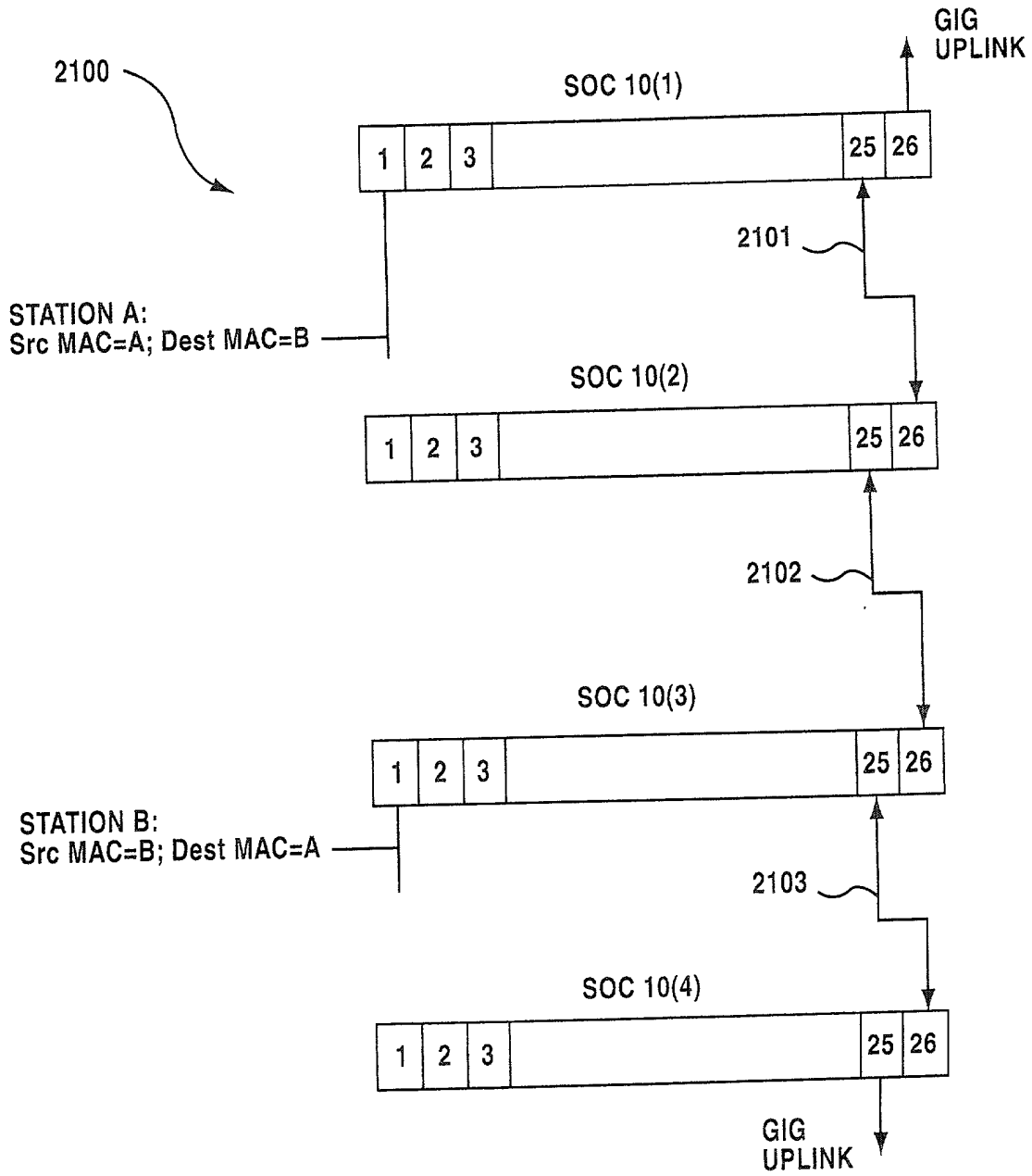


Fig.31

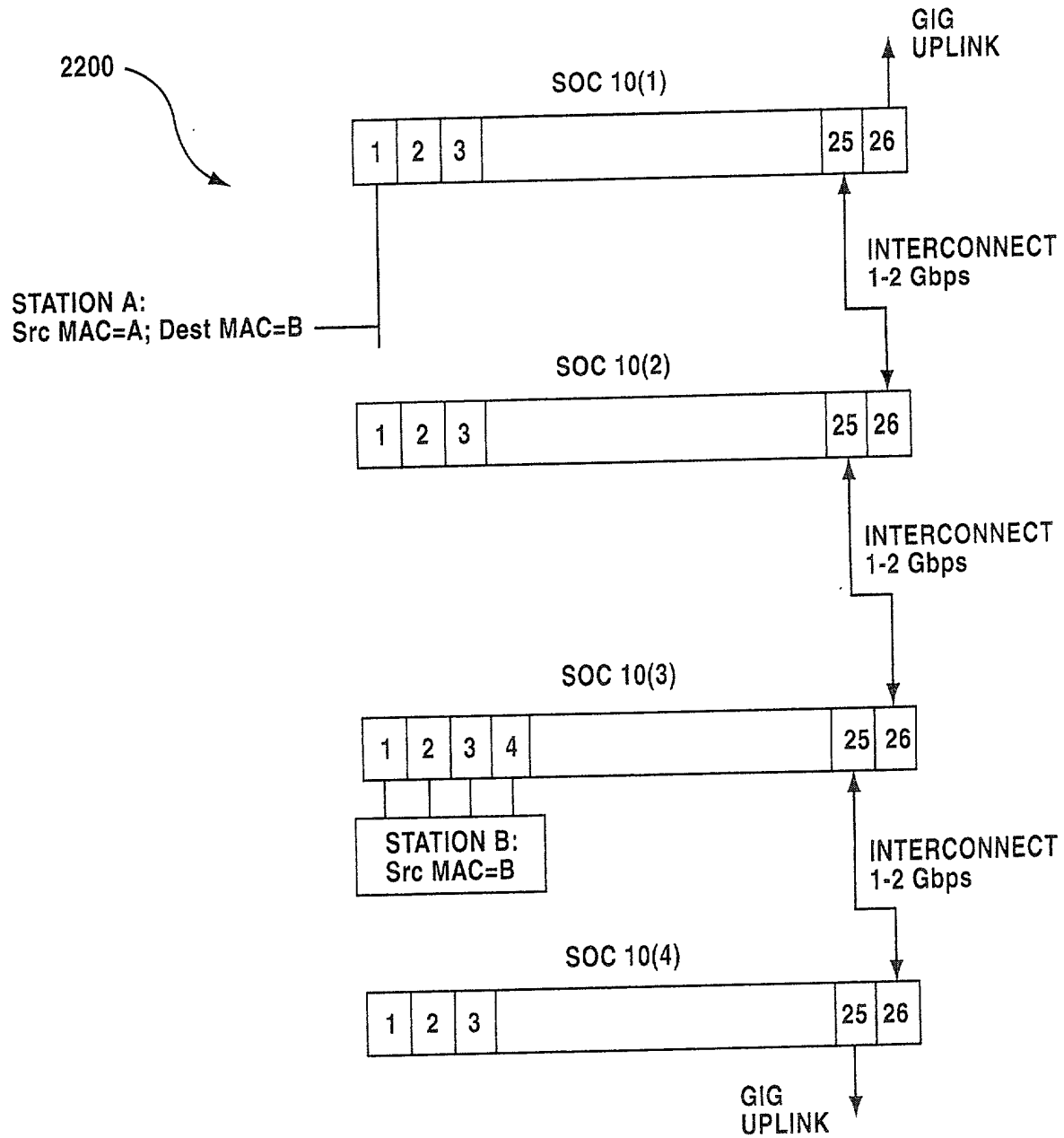


Fig.32A

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
1	A	1	0	X	X
25	B	1	1	2	2

Fig.32B

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	0	X	X
25	B	1	1	2	2

Fig.32C

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	0	X	X
1	B	1	1	2	2

Fig.32D

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	0	X	X

Fig.33

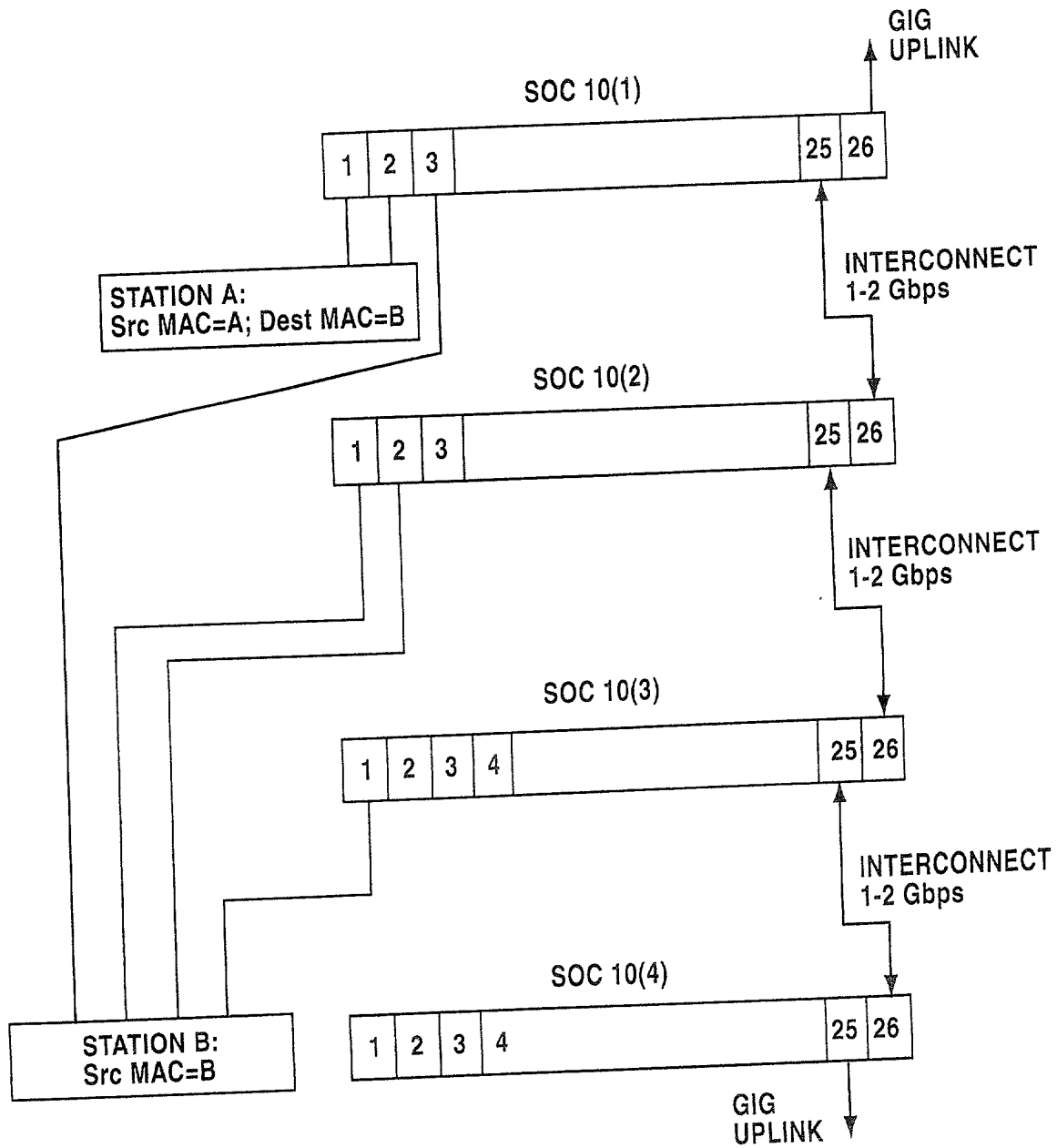


Fig.34A

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
1	A	1	1	1	1
25	B	1	1	2	2

Fig.34B

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	1	1	1
25	B	1	1	2	2

Fig.34C

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	1	1	1
1	B	1	1	2	2

Fig.34D

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	1	1	1

Fig.35

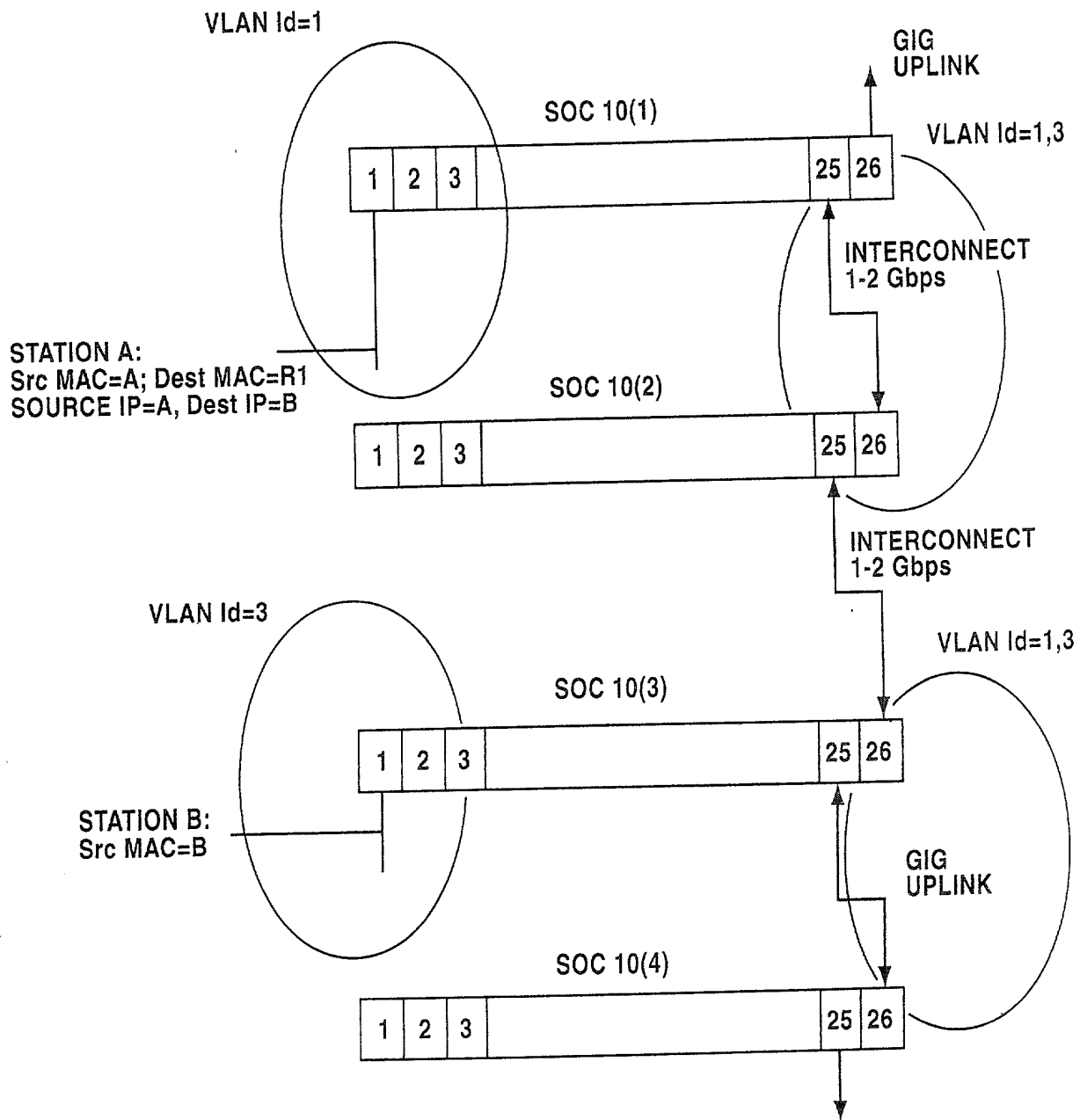


Fig.36

TRUNK GROUP TABLE FOR SW1:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
2	25	25	25	25	X	X	X	X	4

TRUNK GROUP TABLE FOR SW2:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
2	25	25	25	25	X	X	X	X	4

TRUNK GROUP TABLE FOR SW3:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
2	1	2	3	4	X	X	X	X	4

TRUNK GROUP TABLE FOR SW4:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
2	26	26	26	26	X	X	X	X	4

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Fig.37

TRUNK GROUP TABLE FOR SW1:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
1	1	2	X	X	X	X	X	X	2
2	25	25	25	3	X	X	X	X	4

TRUNK GROUP TABLE FOR SW2:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
1	26	26	X	X	X	X	X	X	2
2	25	1	2	26	X	X	X	X	4

TRUNK GROUP TABLE FOR SW3:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
1	26	26	X	X	X	X	X	X	2
2	1	26	26	26	X	X	X	X	4

TRUNK GROUP TABLE FOR SW4:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG SIZE
1	26	26	X	X	X	X	X	X	2
2	26	26	26	26	X	X	X	X	4

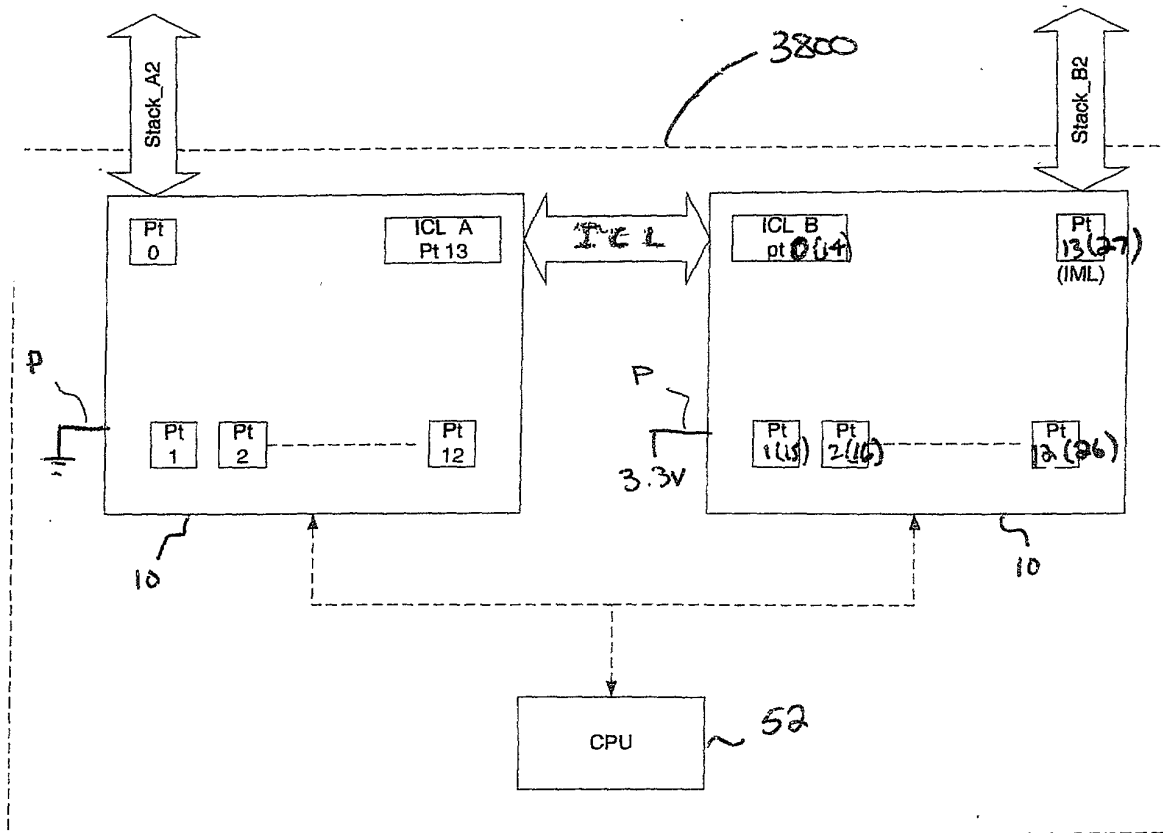


Figure 38

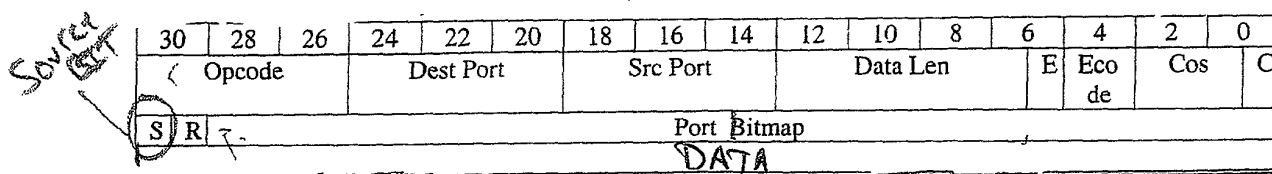
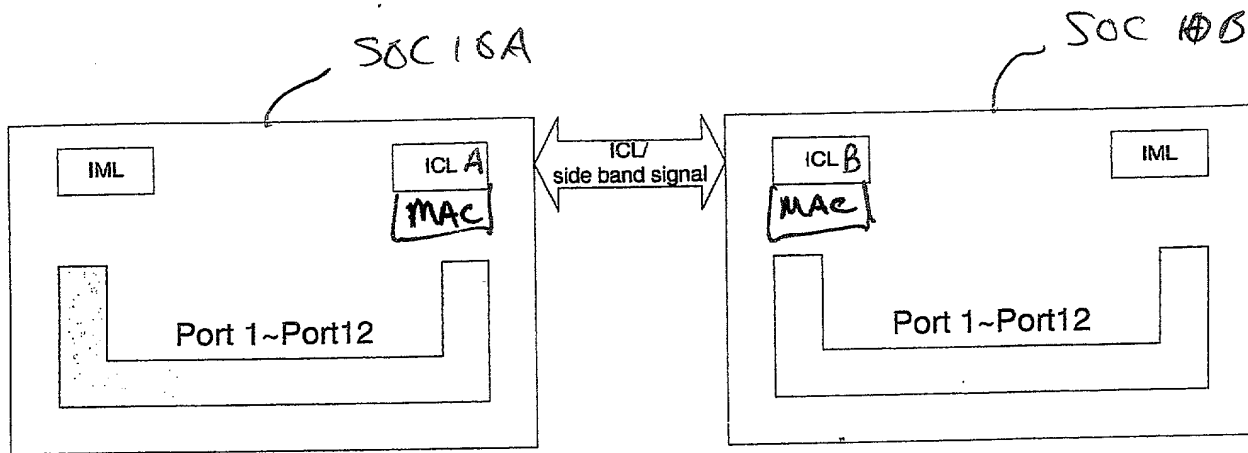
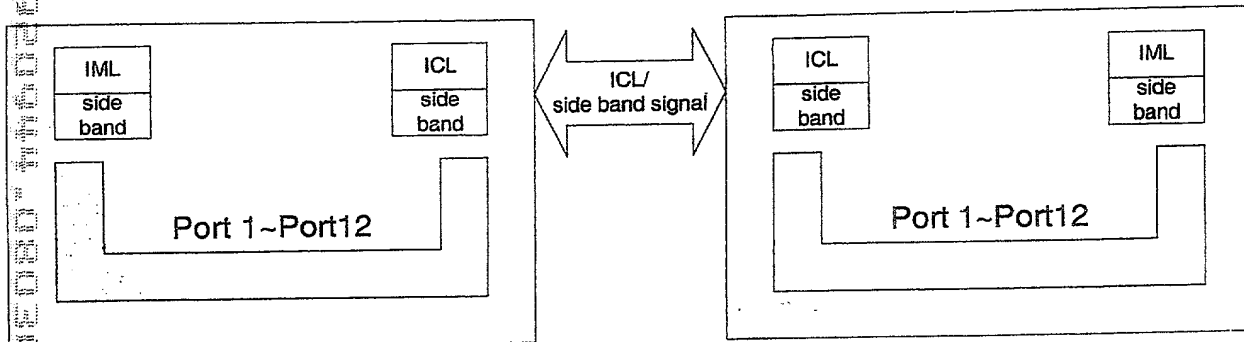


Figure 39



using MAC control frame scheme

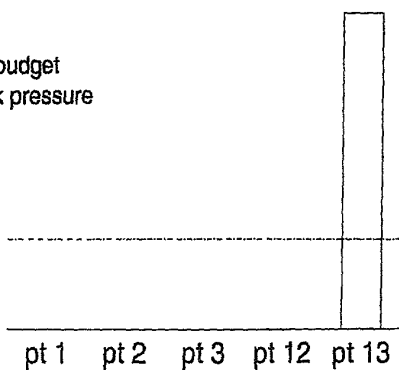
figure 40



using side band signal

figure 41

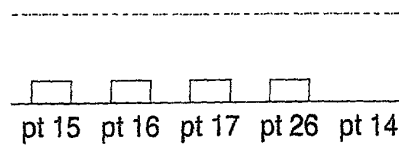
Rx budget
for back pressure



SOC 10A

Fig 43A

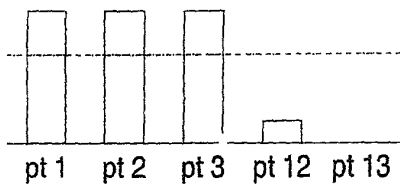
Rx budget
for back pressure



SOC 10B

Fig 43B

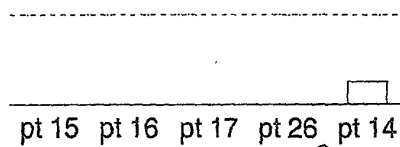
cell count/pkt count
for COS/HOL



SOC 10A

Fig 43C

cell count/pkt count
for COS/HOL



SOC 10B

Fig 43D

TOP SECRET

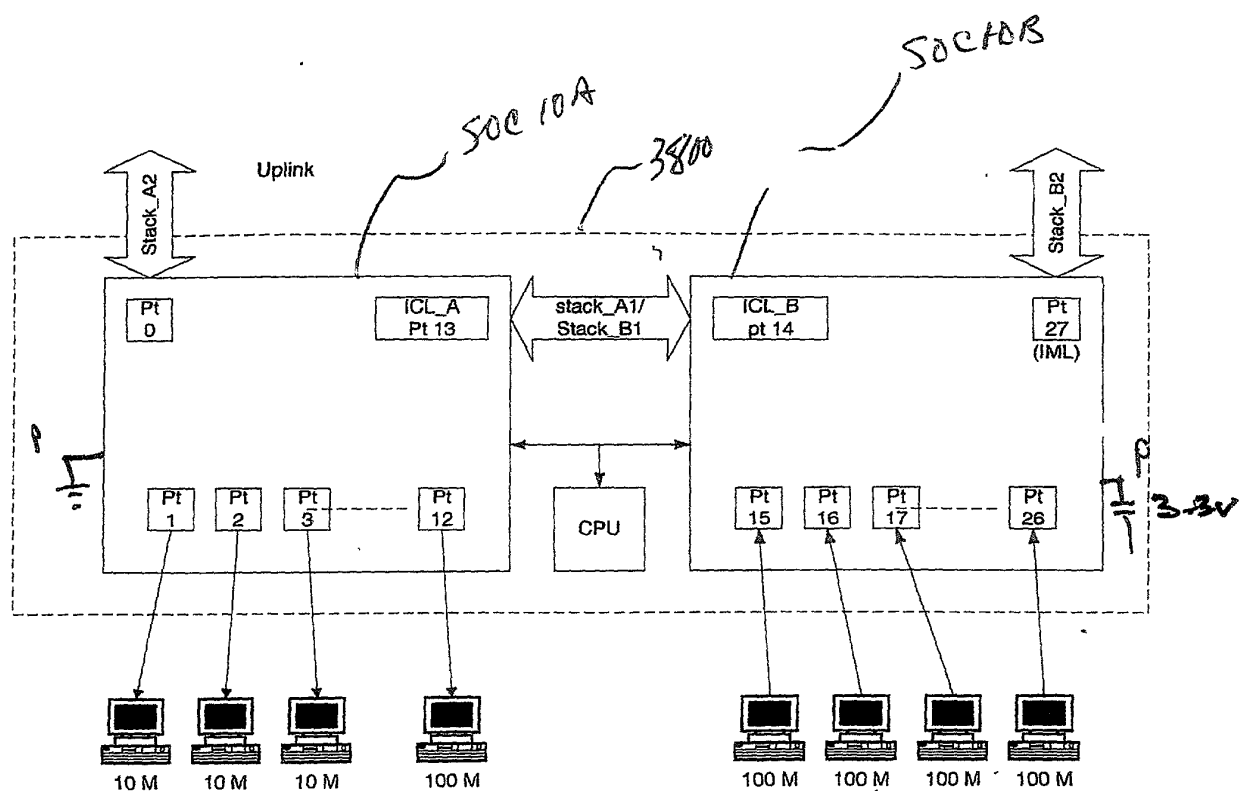


Figure 4a

A bar chart with 'budget' on the y-axis and five points on the x-axis: pt 1, pt 2, pt 3, pt 12, and pt 13. A horizontal dashed line represents the budget level. The bars for pt 1, pt 2, and pt 3 are below the budget line. The bars for pt 12 and pt 13 are above the budget line, with pt 13 being the tallest.

Point	Budget	Work Pressure
pt 1	Low	Low
pt 2	Low	Low
pt 3	Low	Low
pt 12	High	High
pt 13	High	Very High

Patient	OS/HOL
pt 15	0
pt 16	0
pt 17	0
pt 26	0
pt 14	10

SOC + DB

figure 44 d

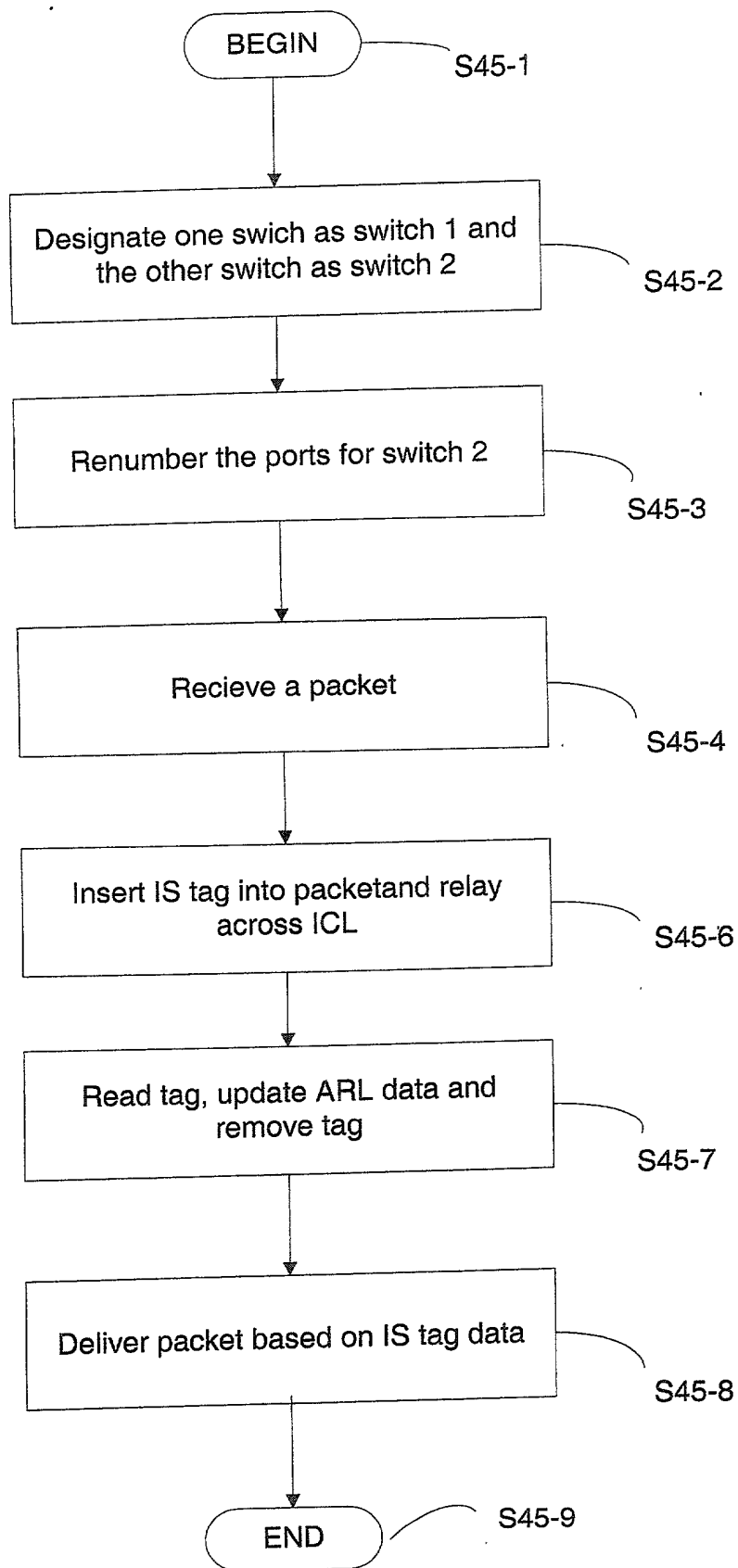


FIG. 45

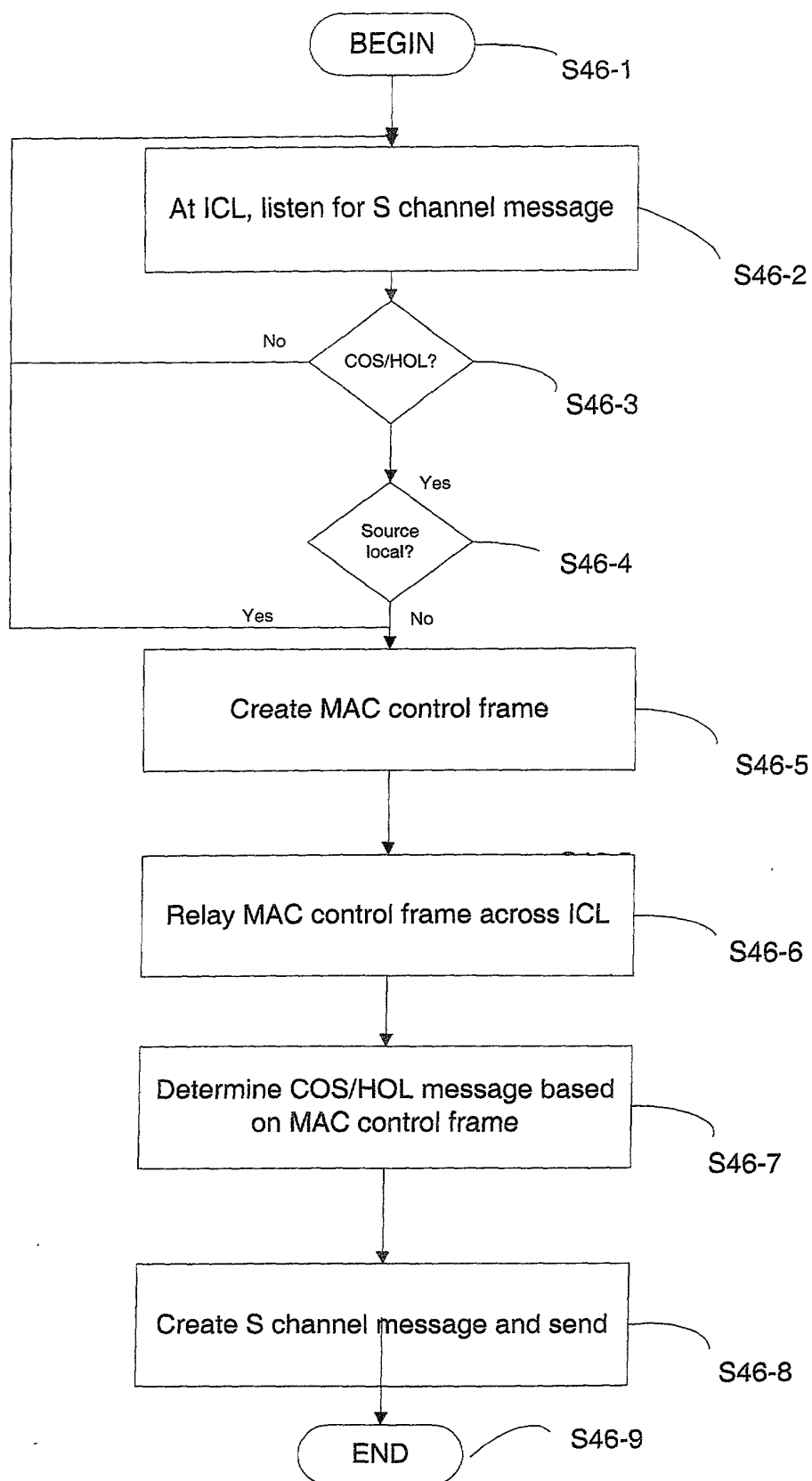


FIG. 46

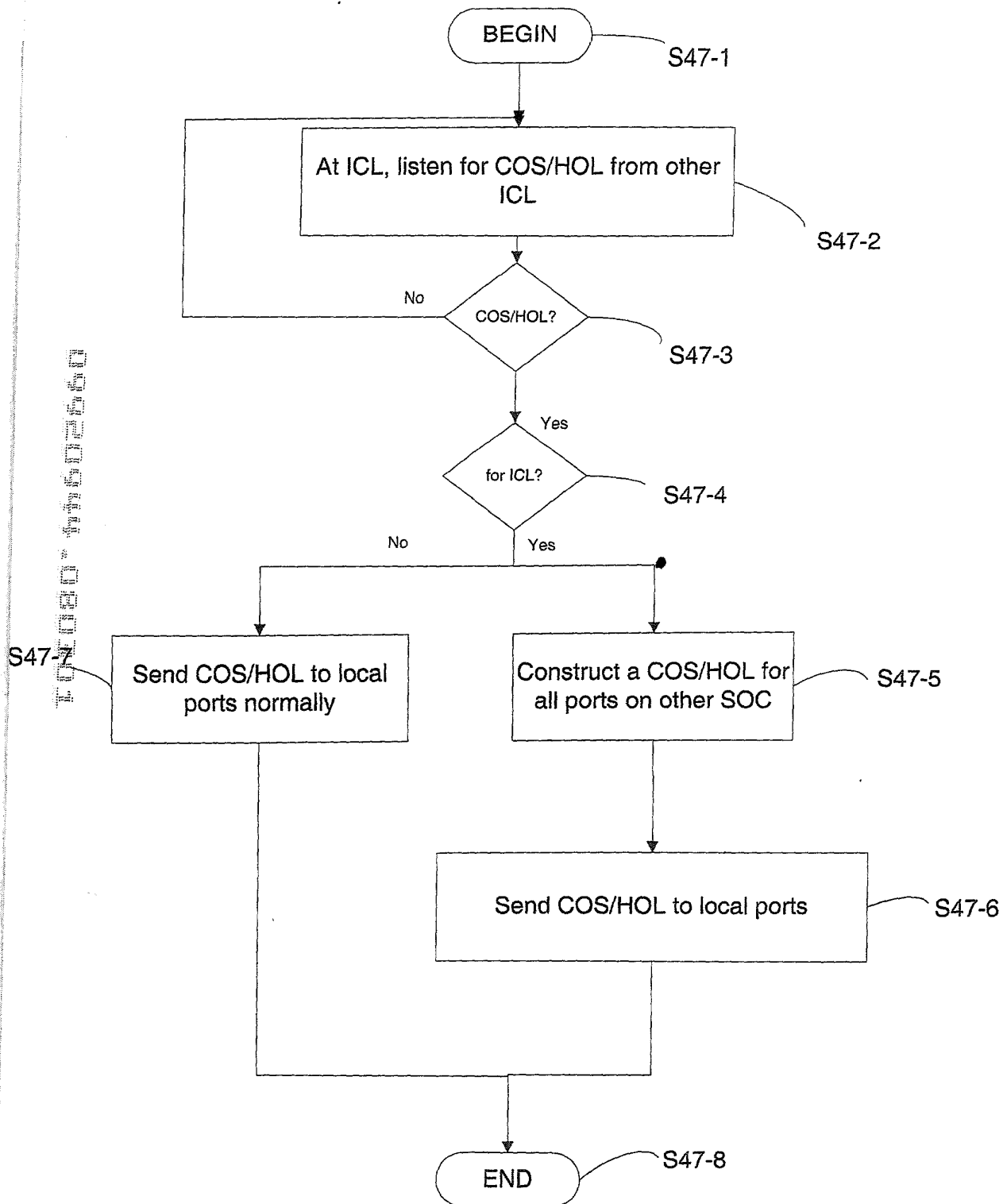


FIG. 47